BOARD AND COMMITTEE MEETINGS SCHEDULE
June 8, 2023
President’s Room 215B, Emerson Alumni Hall
University of Florida, Gainesville, FL
Virtual Viewing link:
https://mediasite.video.ufl.edu/Mediasite/Play/53c652822df348d6a35b891a7ceaf7cb1d

Thursday, June 8, 2023
7:30 a.m. to 8:25 a.m.  Breakfast
8:30 a.m. to 8:45 a.m.  Chairman Meeting Remarks
~8:45 a.m. to 9:05 a.m.  Committee on Advancement
(Zucker (Chair), Cole, Corr, Heavener, Powers, Wright, Zalupski)
~9:05 a.m. to 9:30 a.m.  Committee on Audit and Compliance
(O’Keefe (Chair), Brandon, Cole, Green, Hosseini, Patel, Powers)
~9:30 a.m. to 9:55 a.m.  Committee on Governance, Government Relations and Internal Affairs
(Hosseini (Chair), Brandon, Cole, Corr, Heavener, Patel, Ridley, Zalupski)
~9:55 a.m. to 10:10 a.m.  Break
~10:10 a.m. to 11:10 a.m.  Committee on Academic, Faculty and Student Success, Public Relations and Strategic Communications
(Patel (Chair), Cole, Green, Heavener, O’Keefe, Wright, Zucker)
~11:10 a.m. to 12:10 p.m.  Committee on Finance, Strategic Planning and Performance Metrics
(Powers (Chair), Brandon, Corr, Hosseini, O’Keefe, Patel, Ridley, Zalupski)
~12:10 p.m. to 1:10 p.m.  Lunch
~1:10 p.m. to 2:10 p.m.  Committee on Facilities and Capital Investments
(Brandon (Chair), Corr, Hosseini, O’Keefe, Ridley, Zalupski, Zucker)
~2:10 p.m. to 2:20 p.m.  Artificial Intelligence Update
Provost Joe Glover
~2:20 p.m. to 2:35 p.m.  Break
~2:35 p.m. to 3:35 p.m.  Board of Trustees’ Meeting
(Full Board)
4:00 p.m. to 5:00 p.m.  Student Health Care Center Ceremonial Ribbon Cutting Ceremony and Tour
2140 Stadium Road, Gainesville FL 32611
6:30 p.m. to 8:00 p.m.  Board Dinner and Tour at Malachowsky Hall for Data Science & Information Technology
1889 Museum Road, Gainesville FL 32603
BOARD RETREAT SCHEDULE
June 9, 2023
UF Austin Cary Forest
10625 NE Waldo Rd, Gainesville, FL 32609

Friday, June 9, 2023
8:00 a.m. to 8:55 a.m.  Breakfast

9:00 a.m. to 10:00 a.m.  UF Health and Scripps Financial Update
Senior Vice President Chris Cowen and Senior Vice President David Nelson

10:00 a.m. to 10:30 a.m.  P.K. Yonge School Update
Director Brian Marchman

10:30 a.m. to 11:30 a.m.  IFAS Update
Senior Vice President Scott Angle

11:30 a.m. to 11:45 a.m.  Break

11:45 a.m. to 1:15 p.m.  Finance Update
Senior Vice President Chris Cowen

1:15 p.m. to 2:00 p.m.  Chairman Update Working Lunch
COMMITTEE ON ADVANCEMENT
AGENDA
Thursday, June 8, 2023
~8:45 a.m.
President’s Room 215B, Emerson Alumni Hall
University of Florida, Gainesville, FL

Committee Members:
Anita G. Zucker (Chair), Richard P. Cole, Christopher T. Corr, James W. Heavener, Marsha D. Powers, Danaya C. Wright, Patrick O. Zalupski

1.0 Call to Order and Welcome ............................................................. Anita G. Zucker, Chair

2.0 Verification of Quorum ................................................................. Vice President Liaison

3.0 Review and Approval of Minutes.................................................. Anita G. Zucker, Chair
March 16, 2023
May 10, 2023

4.0 Discussion Item.............................................................................. Anita G. Zucker, Chair
4.1 Jacksonville Graduate Center.......................................................... Anita G. Zucker, Chair and
Maria Gutierrez Martin, Interim Vice President for Advancement

5.0 New Business .............................................................................. Anita G. Zucker, Chair

6.0 Adjourn ....................................................................................... Anita G. Zucker, Chair
COMMITTEE ON ADVANCEMENT
Meeting Minutes
March 16, 2023
President’s Room 215B, Emerson Alumni Hall
University of Florida, Gainesville, Florida
Time Convened: 9:08 a.m.
Time Adjourned: 9:13 a.m.

Committee and Board members present:

Others present:
Ben Sasse, President; Joseph Glover, Provost and Senior Vice President for Academic Affairs; J. Scott Angle, Vice President for Agriculture and Natural Resources; Chris Cowen, Senior Vice President and Chief Financial Officer; Elias Eldayrie, Vice President and Chief Information Officer; Amy Hass, Vice President and General Counsel; Mark Kaplan, Vice President for Government and Community Relations and University Secretary; Jim Kelly, Interim Chief Executive Officer for UF Health Shands; Charlie Lane, Senior Vice President and Chief Operating Officer; Maria Gutierrez Martin, Interim Vice President for Advancement; Marsha McGriff, Chief Diversity Officer and Senior Advisor to the President; David Nelson, Senior Vice President for Health Affairs and President of UF Health; David Norton, Vice President for Research; Steve Orlando, Interim, Vice President for Strategic Communications and Marketing; Mary Parker, Vice President for Enrollment Management and Associate Provost; Curtis Reynolds, Vice President for Business Affairs; Scott Stricklin, Director of Athletics; Heather White, Vice President for Student Life; members of the University of Florida community, and the public.

1.0 Call to Order and Welcome
Committee Chair Anita G. Zucker welcomed everyone in attendance and called the meeting to order at 9:08 a.m. She introduced Interim Vice President Maria Gutierrez Martin and asked her to verify the quorum.

2.0 Verification of Quorum
Interim Vice President Maria Gutierrez Martin verified a quorum with all members present except for Trustee Heavener and Trustee Ridley.
3.0 Review and Approval of Minutes
Committee Chair Zucker asked for a motion to approve the minutes of the December 8, 2022, committee meeting and the February 14, 2023, committee pre-meeting, which was made by Trustee Cole, and a second, which was made by Trustee Corr. She asked for further discussion, and then asked for all in favor of the motion and any opposed and the motion was approved unanimously.

4.0 Discussion Item
Committee Chair Zucker called on Interim Vice President Martin to share brief remarks.

4.1 UF Foundation Update
Interim Vice President Martin opened by stating that she was honored to be joining today’s meeting and looks forward to deepening her relationships with everyone and getting to know the newest members of our Board of Trustees during this interim phase. She noted that a national search is being launched for the next Vice President of UF Advancement and then shared a brief overview of organizational priorities and things we will be doing in this interim phase.

The Go Greater Campaign engaged nearly 300,000 donors and over 2,000 volunteers. It is critical that we continue to steward and develop our relationships with those individuals as we prepare for next, so we will be spending a lot of time in that space.

UF Advancement has also posted strong employee retention rates, and we will continue to focus on providing our staff with the tools and resources they need to professionally grow in their positions.

Our efforts in Advancement will continue to focus on our current momentum, and we will be positioning the organization for the leadership transition. She, Interim Vice President Martin, will be focusing externally on our donors and volunteers, and her colleague, Karen Sprague, will be focusing internally to ensure our organization maintains the highest level of compliance and works effectively and efficiently.

Interim Vice President Martin thanked the Board and reiterated that she looks forward to working with everyone as we move forward during this interim phase.

Committee Chair Zucker thanked Interim Vice President Martin and then turned the meeting over to President Sasse.

President Sasse thanked Committee Chair Zucker for her leadership during this transition phase and stated that Interim Vice President Martin and Karen Sprague have been a delight to work with as he has been getting up to speed and building relationships that have been built at this special place over many years, especially over the Go Greater campaign, and he is grateful for them. It makes sense to go through a transition moment like this as we get to hit reset and talk about the next big menu of opportunities for people to partner with us.
5.0 New Business
Committee Chair Zucker thanked President Sasse and noted that tremendous progress has been made to date, and we look forward to all that the future holds and what he will bring under his leadership. She then asked if anyone had any new business that they would like to share.

6.0 Adjourn
There being no further discussion, Committee Chair Zucker adjourned the meeting at 9:13 a.m.
COMMITTEE ON ADVANCEMENT
Pre-Meeting Minutes
Virtual Meeting
May 10, 2023
Time Convened: 9:57 a.m.
Time Adjourned: 10:07 a.m.

Committee and Board members present:
Anita G. Zucker (Committee Chair), David L. Brandon, Richard P. Cole, Olivia E. Green, James W. Heavener, Morteza “Mori” Hosseini (Board Chair), Daniel T. O’Keefe, Rahul Patel, Amanda J. Phalin, Marsha D. Powers, and Patrick O. Zalupski.

Others present:
Melissa Curry, Interim Vice President for Human Resources; Joseph Glover, Provost and Senior Vice President for Academic Affairs; Amy Hass, Vice President and General Counsel; Mark Kaplan, Vice President for Government and Community Relations and University Secretary; Maria Gutierrez Martin, Interim Vice President for Advancement; Steve Orlando, Interim Vice President for Strategic Communications and Marketing; Mary Parker, Vice President for Enrollment Management and Associate Provost; Curtis Reynolds, Vice President for Business Affairs; Heather White, Vice President for Student Life; members of the University of Florida community, and the public.

1.0 Call to Order and Welcome
Committee Chair Anita G. Zucker welcomed everyone in attendance and called the meeting to order at 9:57 a.m. She noted that the meeting will be short and there will be more to review at the June meeting.

2.0 Roll Call
Interim Vice President Martin conducted a roll call of all Committee members, and all were present except for Trustee Corr who had an unavoidable conflict.

3.0 Review Draft Agenda for June Meeting

3.1 Review Draft Minutes
Committee Chair Zucker stated the minutes from the March 16, 2023 meeting will be reviewed at the June meeting.

3.2 Review Discussion Item
Jacksonville Graduate Center
Committee Chair Zucker shared that the Jacksonville City Council voted to support the Jacksonville Graduate Center. The University has raised $50.5 million in private commitments to date for the Center, and the State will provide $75 million. In order to match the state funding, UF Advancement will work to continue to raise the extra $25 million in private support over the next few months.

Board Chair Hosseini added that all the fundraising activity has occurred within a couple of months. A little over $60 million was raised, including $50 million in actual cash with 20% down and incremental annual pledge payments over five years and a gift-in-kind of $10 million from Jacksonville Electric Authority (JEA) for power. Donors were not promised anything in return for their contributions. He expressed his thanks to Trustee Zalupski and noted that all the credit goes to him, as he worked extremely hard to bring the Jacksonville group together quickly and raise this money. Trustee Zalupski responded that he is up to the challenge, and he appreciated the support he received from everyone, noting it was a big team effort.

Committee Chair Zucker expressed her thanks to Board Chair Hosseini and Trustee Zalupski for their work. She added there is no stopping now, and we must keep the ball rolling. She particularly noted her appreciation to Board Chair Hosseini for making sure the Board governance is being followed for gifts.

Board Chair Hosseini responded that the Board should be a stickler for following the governance. If we do not follow it ourselves and demand governance from our university leadership, then we may as well not have a Board of Trustees or a Governance Committee. He noted that the one thing that holds everyone together is governance. We must make sure there are checks and balances and that everything comes to our attention. If changes need to happen, we will make changes. We are going to go back in the Governance Committee and look at the governance around gifts. If the gift does not exactly meet governance guidelines (payments within five years with 20% up front), then it must have an additional approval process. It may go to the Provost and the President and then to the Chair for sign-off. Governance of the university must be followed, and the responsibility of signing off on the gifts to ensure we are following university governance may be assigned to the committee chair or someone else. There may be times when it is not easy for donors to meet the terms, so we may agree to seven or eight years of payments in order to receive the gift. In those cases, the Board and our university leadership must know about it so we can decide if that works for us.

4.0 New Business
Committee Chair Zucker asked Board Chair Hosseini to let us know the direction he would like the Advancement Committee to take and what we should be doing. She noted that one of the items the committee will bring back in December is the $4.6B campaign data.

Board Chair Hosseini responded that he just received three years of audited financial statements for the University Foundation and requested Committee Chair Zucker and her committee to review those statements. The Board Chair will provide University Chief Audit Executive Dhanesh Raniga a specific request on what area to look at. This may be another discussion item for December.
5.0 Adjourn
There being no further discussion, Committee Chair Zucker adjourned the meeting at 10:07 a.m.
COMMITTEE ON AUDIT AND COMPLIANCE
AGENDA
Thursday, June 8, 2023
~9:05 a.m.
President’s Room 215B, Emerson Alumni Hall
University of Florida, Gainesville, FL

Committee Members:
Daniel T. O’Keefe (Chair), David L. Brandon, Richard P. Cole, Olivia E. Green, Morteza “Mori” Hosseini, Rahul Patel, Marsha D. Powers

1.0 Call to Order and Welcome ................................................................. Daniel T. O’Keefe, Chair

2.0 Verification of Quorum ................................................................. Vice President Liaison

3.0 Review and Approval of Minutes ............................................................. Daniel T. O’Keefe, Chair
   March 16, 2023
   May 9, 2023

4.0 Action Item ...................................................................................... Daniel T. O’Keefe, Chair
   AC1 July 1, 2023 – June 30, 2024, Office of Internal Audit Work Plan.......Dhanesh Raniga, Chief Audit Executive

5.0 Discussion Item .................................................................................. Daniel T. O’Keefe, Chair
   5.1 Compliance and Ethics Educational Item – Healthcare Compliance........Terra DuBois, Chief Compliance, Ethics and Privacy Officer; Robert Michalski, Vice President and Chief Compliance and Privacy Officer, UF Health

6.0 New Business .................................................................................. Daniel T. O’Keefe, Chair

7.0 Adjourn .................................................................................. Daniel T. O’Keefe, Chair
Call to Order and Welcome
Committee Chair Marsha D. Powers welcomed everyone in attendance and called the meeting to order at 9:13 a.m.

Verification of Quorum
Chief Compliance, Ethics, and Privacy Officer Terra DuBois verified a quorum with all members present.

Review and Approval of Minutes
Chair Powers asked for a motion to approve the minutes of the December 8, 2022 Audit and Compliance committee meeting and the February 13, 2023 Audit and Compliance Committee pre-meeting which Trustee Cole made, and a second, which was made by Trustee Lemasters. Chair Powers asked for further discussion, and then asked for all in favor of the motion and any opposed, and the motion was approved unanimously.

4.0 Action Items

AC1 FY23 Internal Audit Plan

Committee Chair Powers noted this action item was reviewed and discussed at the February 2023 pre-meeting. Each quarter, internal audit reviews the approved projects to address any changes in the university’s risk profile and to confirm that the business reasons to conduct the audit are relevant and applicable. Based on the current review and follow up discussions with University management the proposed change to the plan includes moving two audits to next year and adding one audit for University Athletic Association. The first is the Pcard Audit. The delay has been requested due to the impact of the implementation of the new UF Go system which will change our processes in that space. The second is IT Data Governance. UFIT has commenced a project to update the Data Governance Framework to support the pending UF Cloud Administrative Systems modernization initiative. Management has requested that deferring this audit to FY24 to allow time to approve and implement the Data Governance Framework.

Committee Chair Powers asked for a motion to approve Action Item AC1 which was made by Trustee Cole, and a second, which was made by Trustee Brandon for recommendation to the Board for its approval on the Consent Agenda. Committee Chair Powers asked for further discussion, and then asked for all in favor of the motion and any opposed, and the motion was approved unanimously.

5.0 Discussion Item

5.1 Internal Audit Activity

Chief Audit Executive (CAE) Dhanesh Raniga gave an update on the Internal Audit Activity. Since the last audit pre-meeting in February, two additional reports were issued including the College of Education and the UF Foundation IT Security. Three additional reports are in the final stages pending management action items to be finalized. Of the 16 follow-up items, 10 implemented, 5 extended. CAE Raniga provided a high-level overview of the results of the two audits that were issued.

CAE Raniga also indicated they are commencing the FY24 audit plan next month and will reach out to senior University executive and committee members for input. The planning process is very detailed. An assurance map will be presented to the committee on the relevant risks and where within the university there is risk coverage. Gaps and high-level audits are then identified which also considers industry specific issues and the University’s current strategic initiatives. Once the audit plan is developed, the proposed risk-based audits are reviewed on a quarterly basis for relevance after considering any changes in risk profile.

CAE Raniga provided additional updates including updating the committee on the internal audit
staffing and status of recruitment efforts. In addition, the Office of Internal Audit will host the state university audit group on campus in August 2023 to coincide with the planned Board of Governors meeting.

6.0 New Business
Committee Chair Powers noted since the pre-meeting they have reviewed Title IX Policy and Procedure internal audit report recommendations. Since that time, Senior Vice President and Chief Operating Officer Charlie Lane has established a working group to monitor the implementation of the recommendations. As noted during the pre-meeting, Committee Chair Powers commented she has been in close communication with Chief Compliance, Ethics, and Privacy Officer Terra DuBois and has directed Ms. DuBois to provide oversight of the Title IX audit remediation plan to ensure that identified gaps are appropriately mitigated.

Additionally, Chair Powers reported that she participated in the UF financial and federal audit exit conference done by the Auditor General’s Office. She reported that the university’s financial statements will have an unqualified audit opinion.

7.0 Adjourn
There being no further discussion, Committee Chair Powers adjourned the meeting at 9:22 a.m.
Committee and Board members present:
Marsha D. Powers (Acting Committee Chair), Daniel T. O’Keefe (Committee Chair), David L. Brandon, Richard P. Cole, Christopher T. Corr, Olivia E. Green, Morteza “Mori” Hosseini (Board Chair), Rahul Patel, Amanda J. Phalin, Fred S. Ridley, Patrick O. Zalupski, and Anita G. Zucker

Others present:
Ben Sasse, President; Melissa Curry, Interim Vice President for Human Resources; Elias Eldayrie, Vice President and Chief Information Officer; Amy Hass, Vice President and General Counsel; Mark Kaplan, Vice President for Government and Community Relations and University Secretary; David Norton, Vice President for Research; Mary Parker, Vice President for Enrollment Management and Associate Provost; Curtis Reynolds, Vice President for Business Affairs; Heather White, Vice President for Student Life; Joe Cannella, Audit Director; Terra DuBois, Chief Compliance, Ethics, and Privacy Officer; Kate Moore, Director, Compliance and Ethics; Dhanesh Raniga, Chief Audit Executive; Olga Weider, University Controller; Alan West, Assistant Vice President and Treasurer; members of the University of Florida community and the public

1.0 Call to Order and Welcome
Acting Committee Chair Marsha D. Powers called the meeting to order at 10:52 a.m.

2.0 Roll Call
Chief Compliance, Ethics, and Privacy Officer (CCO) Terra DuBois conducted a roll call, and all Committee members were present. It was noted the new AC Committee Chair, Trustee Dan O’Keefe, will assume his role at the June meeting.

3.0 Review Draft Agenda for June Meeting

3.1 Review Draft Minutes
March 16, 2023

3.2 Review Action Item
AC1 July 1, 2023 – June 30, 2024, Office of Internal Audit Work Plan
Chief Audit Executive Dhanesh Raniga explained the FY24 Internal Audit Work Plan process, including key objectives and methodology to ensure the audit plan addresses the right strategic and operational risks, management concerns, and regulatory requirements. CAE Raniga shared that audit work planning involves a review of financial statements, reports to the Board presented by the CFO and other executives, stakeholder interviews, and third-party information on higher education industry risks and best practices. He also outlined the work plan’s guiding principles, including the flexibility to change audit projects as the university’s risk profile changes.

Trustee Dan O’Keefe complimented the work plan’s effectiveness in identifying and prioritizing risks, its level of detail, and the level of input from major stakeholders in developing the plan. Trustee O’Keefe noted that the work plan is a useful tool for the Board to meet its fiduciary obligations to manage risk.

Board Chair Hosseini stated the recent Major Construction Projects audit report had a significant number of recommendations. He has spoken to CAE Raniga and the FCI Committee Chair to request a full report on what recommendations have been addressed at the December meeting. He noted a second audit will occur to ensure those items have been taken care of. He added he has requested an additional report from the AC Committee Chair that addresses gift agreements and governance. He has asked the General Counsel’s Office to review the report and provide recommendations on potential changes to governance. Acting Committee Chair Powers recommended continuing ongoing discussions between the AC, FSPPM, and FCI Committee Chairs to keep up to date on related projects and issues. Trustee O’Keefe ensured Board Chair Hosseini that the AC Committee will work with the FCI Committee, Internal Audit, Advancement, and General Counsel to have both reports completed for the December meeting.

Board Chair Hosseini additionally addressed the $4.6B fundraising campaign from the previous 4-6 years. Trustee Brandon referenced previous successful Joint FSPPM & FCI Committee Chair Meetings and offered to share draft documents related to gifts and naming with Trustee O’Keefe. Board Chair Hosseini noted ADV Committee Chair Zucker needs to be included in these joint meetings. He requested Trustee Zucker present a report on gift agreements at the December meeting and Trustee Zucker agreed.

3.3 Review Discussion Items

Antifraud Framework Update

Assistant Vice President and University Controller Olga Weider provided an overview of the university’s antifraud framework, which is an effort to codify fraud prevention and protection programs at UF. She shared five components of the framework: governance, prevention, detection, investigation and response, and monitoring. AVP Weider discussed the risks of fraud due to UF’s size and decentralization, and she stressed the importance of creating an ethical culture through education and outreach programs to train staff on proper internal controls. AVP Weider also highlighted the advantages of recent technology improvements, including UF GO travel system and the updated deposit system, which allow better monitoring and analysis of financial transactions.
Annual Financial Reports (University and Component Units)
AVP Olga Weider provided an update on the annual financial reports. She stated that the Auditor General issued the audit of the University’s annual financial report in March 2023 indicating an unqualified opinion of no findings. All 26 component units (DSOs and affiliates) also received unmodified opinions from independent public accounting firms.

Acting Committee Chair Powers stated that she was pleased with the excellent audit reports UF has received. Board Chair Hosseini asked for clarification that Development (UF Foundation) received an unqualified/unmodified opinion, which AVP Weider confirmed. Board Chair Hosseini requested copies of the previous 3 years’ reports and AVP agreed to provide them.

Internal Audit Activity
CAE Dhanesh Raniga stated that since the prior committee meeting, two audit reports have been issued, four are in final report stage, and eight are in progress. He indicated that we are ahead of the prior year in terms of projects completed due to the efforts of the team, audit process refinements, and greater focus on high-level risks when performing the audits. CAE Raniga expressed optimism about the impact of increased use of data analytics for more in-depth analysis.

CAE Raniga then discussed the audit reports that were issued and shared that the Technology Licensing and Transfer Process audit indicated good controls are in place for commercializing technology at UF. He said that the Major Construction Projects audit uncovered that the university’s project management systems and resources have not kept up with the growth in projects. Vice President Curtis Reynolds shared steps already taken and future plans for addressing the project management report recommendations in regard to policy and procedure, tracking system upgrade, and human capital investment.

Trustee Brandon noted that the audit report indicated a lack of communication between project management (Business Affairs) and construction accounting (CFO), and he wanted to be sure that these units communicated on the selection of a new project tracking system. VP Reynolds said that his team has already been working with the CFO’s office on this issue, and they were also working to ensure any new system will integrate with the planned deployment of a new ERP system.

CAE Raniga shared follow-up statistics on management recommendations implemented and outstanding as of April 28. Trustee Amanda Phalin asked for clarification of the data, which was provided by CAE Raniga and Audit Director Joe Cannella.

Acting Committee Chair Marsha Powers reminded CAE Raniga to include new Committee Chair Dan O’Keefe in future monthly construction audit progress reviews.

FY 2024 Compliance and Ethics Work Plan
Chief Compliance, Ethics, and Privacy Officer Terra DuBois shared an overview of the Compliance and Ethics Work Plan. She highlighted three major initiatives for FY24: enhancing the institutional policy approval process and new policies and regulations website, establishing
a compliance risk management program, and enhancing the compliance hotline referral and recordkeeping process. CCO DuBois expects a new centralized policy and regulation website to launch in June and implement a comprehensive compliance risk management program over the next fiscal year. She shared that her team is also working to improve efficiency in reviewing and triaging compliance hotline reports and using data analytics for root cause analysis that can be shared with leadership and the Board.

**Compliance and Ethics Educational Item – Healthcare Compliance**
CCO DuBois informed the Committee that she will present the annual healthcare compliance educational item at the June meeting with Chief Compliance Officer for UF Health Bob Michalski.

4.0 New Business
There was no new business to come before the committee.

5.0 Adjourn
There being no further discussion, Acting Committee Chair Powers adjourned the meeting at 11:56 a.m.
COMMITTEE ON AUDIT AND COMPLIANCE
ACTION ITEM AC1
June 8, 2023

SUBJECT: July 1, 2023 – June 30, 2024 Office of Internal Audit Work Plan

BACKGROUND INFORMATION
The Board of Governors Regulation 4.002 (6) states that the chief audit executive shall develop audit plans based on the results of periodic risk assessments. The plans shall be submitted to the Board of Trustees for approval. A copy of approved audit plans will be provided to appropriate university management and the Board of Governors Office, through the Office of the Inspector General and Director of Compliance (OIGC).

The Office of Internal Audit (OIA) establishes its audit coverage with a work plan that identifies the significant activities and high-risk topical areas. The current work plan was prepared to reflect the planned projects for the period from July 1, 2023 to June 30, 2024 and was prepared, pursuant to an audit risk assessment, with the objective of addressing key functions, activities and units of the university for the purpose of evaluating and improving the effectiveness of its risk management, internal controls and governance processes.

PROPOSED COMMITTEE ACTION
The Committee on Audit and Compliance is asked to approve the July 1, 2023 - June 30, 2024 Office of Internal Audit Work Plan for recommendation to the Board of Trustees for approval on the Consent Agenda.

ADDITIONAL COMMITTEE CONSIDERATIONS
Submission to the Board of Governors of a copy of the approved July 1, 2023 – June 30, 2024 Office of Internal Audit Work Plan is required, but approval is not required.


Submitted by: Dhanesh Raniga, Chief Audit Executive

Approved by the University of Florida Board of Trustees, June 8, 2023

Morteza “Morí” Hosseini, Chair
Ben Sasse, President and Corporate Secretary
Audit and Compliance Committee Meeting
June 8, 2023

OFFICE OF INTERNAL AUDIT
July 2023 – June 2024 Proposed Work Plan

Presented by:
Dhanesh Raniga, Chief Audit Executive
Work Plan Objective

• Address significant risk areas of the University’s operations
• Evaluate and improve the effectiveness of the risk management, governance and control processes
• Effectively use available internal audit resources

Approach and Methodology

• Risk-based – Focus on strategic, financial, operational, IT, regulatory or management concerns
• Work plan development process:
  • Review of UF-related information
  • Input via interviews of key stakeholders, including University Senior Executives and Audit and Compliance Committee members
  • Reassessed remaining audit projects in 2022/23 work plan for relevance and risks
  • Higher education sector-related current issues
  • Updated the 2022 university-level assurance map and risk profile linking risks to potential audit topics
CORE THEME — ‘Protect University Business and Reputation’ & ‘Deliver Measurable Value’

RISK FOCUS — Right risks at the optimal time in the process. Considered leadership changes and potential impact on University’s strategy which may impact proposed audit topics.

INCREASED FOCUS ON ASSURANCE TYPE INTERNAL AUDIT PROJECTS TO VALIDATE KEY INTERNAL CONTROLS WHILE ASSESSING FOR LEADING BUSINESS PRACTICES AND EFFICIENCY, E.G., COLLEGE/DEPARTMENTAL & DSO COVERAGE; COST CONTROL; HOUSING; CONSTRUCTION

SIGNIFICANT AREAS OF THE UNIVERSITY’S OPERATIONS, INCLUDING ADDRESSING CURRENT ISSUES IN HIGHER EDUCATION, E.G., IT SECURITY; RESEARCH COMPLIANCE; DATA GOVERNANCE; IT GENERAL CONTROLS

ACCOUNTS FOR THE DECENTRALIZED NATURE OF THE UNIVERSITY AND LEVERAGES CURRENT UNIVERSITY INITIATIVES AND BOG PRESCRIBED AUDITS E.G., PBF/PE REPORTING; POST-TENURE FACULTY REVIEW, UFGO TRAVEL

FLEXIBILITY TO ALLOW FOR CHANGING RISK PROFILE AND CONTINUING TO ALIGN WITH LEADING PRACTICES AND STRATEGIC DIRECTION OF THE UNIVERSITY. INCLUDES ALLOWANCE TO ADD UNIVERSITY ATHLETICS ASSOCIATION AND UF FOUNDATION INC. AUDIT PROJECTS DURING FY24.
## PROPOSED WORK PLAN – JULY 2023 TO JUNE 2024

<table>
<thead>
<tr>
<th>Audit Area</th>
<th>High Level Scope</th>
<th>Rationale</th>
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<tbody>
<tr>
<td>1 Housing Operations</td>
<td>Assessment of key financial business processes and effectiveness of internal controls, including areas for efficiency and cost savings.</td>
<td>Housing operations are managed as standalone operations and it is important that the University has strong internal controls for revenue, collections, billings and management reporting.</td>
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<tr>
<td>2 Research Compliance – Post Award</td>
<td>Assessment of compliance with sponsored contracts and grants. Scope will be co-developed to focus on current research compliance risks.</td>
<td>The University receives significant research funds from federal and non-federal sources. Significant reputational and funding risk of non-compliance with contract award conditions, including allowability of costs.</td>
</tr>
<tr>
<td>3 Major Construction</td>
<td>Reassess end-to-end major construction life cycle processes. Audit will also test the implementation of the recommendations from the 2023 Major Construction Project audit for effectiveness of controls.</td>
<td>Prior internal audit on Major Construction identified significant improvements in internal controls, project management and system-related observations. A reperformance of this audit was also requested by certain Board of Trustees members.</td>
</tr>
<tr>
<td>4 Major Construction – Incurred Costs</td>
<td>Review of incurred costs of work performed by General Contractor for compliance with contract. Review will include internal controls in place.</td>
<td>University capital budget on construction is approx. $2.2b and is significant to University operations. Contract management and compliance is important to confirm that there are good project management and monitoring controls in place to ensure that we comply with state funding regulations for cost allocation and probity.</td>
</tr>
<tr>
<td>5 IT Security Risk Assessment</td>
<td>Assess information security controls using UFIT risk framework and NIST requirements, as appropriate, at selected decentralized locations to improve University cyber security maturity.</td>
<td>Information technology, including cyber security, is a high-level risk in organizations. The University’s decentralized governance structure adds another layer of risk that should be assessed and managed. This is an ongoing assessment in partnership with UFIT.</td>
</tr>
<tr>
<td>6 Data Governance</td>
<td>Assess data governance framework and business processes for compliance with University policies, practices, and legislative requirements to ensure that data is accessible, usable, and protected.</td>
<td>It is important that data assets are formally managed throughout the University enterprise and trusted information is used for critical business processes, decision-making and accounting.</td>
</tr>
<tr>
<td>7 College/Unit Level Assessment (one College and one Center)</td>
<td>Assessment of financial and operational internal controls and key business processes covering fiscal management and compliance with policies and procedures. Focus areas will include financial, HR, admissions, accuracy of management reporting and oversight controls.</td>
<td>Significant portion of the University's financial and operational processes are decentralized. High-level risk of inconsistent business practices, including impact on internal controls.</td>
</tr>
<tr>
<td>Audit Area</td>
<td>High Level Scope</td>
<td>Rationale</td>
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</tr>
<tr>
<td>8 UF GO Travel System</td>
<td>Assessment of key business processes for UF Go travel management system. Scope will include assessing internal controls over procurement cards and IT general controls.</td>
<td>University has implemented a new travel and expense reimbursement management system. Business processes and related polices and procedures have been updated.</td>
</tr>
<tr>
<td>9 Institute of Food and Agricultural Sciences (IFAS) – Extension Offices</td>
<td>Assessment of financial and operational internal controls and key business processes covering fiscal management and compliance with policies and procedures using self-assessment survey.</td>
<td>IFAS Extension Offices are located throughout the state and are managed by minimal staff. Inadequate internal and monitoring controls are potential risks.</td>
</tr>
<tr>
<td>10 Research Computing</td>
<td>Assessment of information security controls using leading practice frameworks (e.g., NIST, ISO 27001) as guidance.</td>
<td>The University's research data is stored in a restricted environment. Significant impact on research funding in addition to reputational and compliance risks if research data is compromised. An annual assessment is required for research compliance purposes.</td>
</tr>
<tr>
<td>11 Cyber Security Incident Response Management</td>
<td>In conjunction with UFIT, assess incident response management procedures using real test scenarios such as ransomware readiness, system breaches, etc.</td>
<td>There has been a high level of cyber security incidents across all sectors. Risk mitigation strategies around cyber security include having a matured incident response plan. This is a requirement also for cyber insurance coverage.</td>
</tr>
<tr>
<td>12 Performance Based Funding and Preeminent Designation Status Funding</td>
<td>Provide assurance that the data submitted by the University complies with the data definitions established by the BOG.</td>
<td>Florida Statutes section 1001.706(5)(e) requires each university to conduct an annual audit.</td>
</tr>
<tr>
<td>13 Post-Tenure Faculty Review</td>
<td>Review the University's post-tenure review process and report to the Board of Trustees as required by the Board of Governors Regulation 10.003(6) (a)(1)</td>
<td>The Board of Governors updated Regulation 10.003 Post-Tenure Faculty Review to require an audit of the tenure process for the prior fiscal year once every three years beginning on January 1, 2024. The report is required by July 1.</td>
</tr>
<tr>
<td>14 External Reporting &amp; Data Integrity</td>
<td>Assess internal controls and integrity of reporting data for management decision and to external agencies.</td>
<td>The University provides data to meet certain external metrics and compliance reporting requirements. It is important that there is internal controls for data integrity and assurance. Assessment will focus on metrics and management reporting data exclusive of the PBF reporting.</td>
</tr>
</tbody>
</table>
## OFFICE OF INTERNAL AUDIT

### PROPOSED WORK PLAN - JULY 2023 TO JUNE 2024

<table>
<thead>
<tr>
<th>Audit Area</th>
<th>High Level Scope</th>
<th>Rationale</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 Faculty Workload Management Process</td>
<td>Assess the University’s business processes for managing faculty workload. Scope will include IT controls over system used and integrity of management information.</td>
<td>Faculty workload is an important factor in assessing hiring needs and identifying resources for academic programs. Accuracy of faculty workload data has budget (Operational) and strategic implications.</td>
</tr>
<tr>
<td>16 UF Online</td>
<td>Assess IT general controls for the UF Online system</td>
<td>UF Online system integrity is important to the online teaching mode of learning. UF’s reputation can be impacted if system-level controls are not adequate.</td>
</tr>
<tr>
<td>17 Physician Practice Plan - Jacksonville</td>
<td>Assess internal controls and key business processes for significant components of the practice plan. Scope will be determined based on review of risks and input from UF Health Internal Audit.</td>
<td>Direct Support Organizations are a key component of UF enterprise and supports internal audit’s strategy to cover decentralized unit-level operations for adequate internal controls and governance requirements.</td>
</tr>
<tr>
<td>18 Service Fees and Indirect Charges Governance</td>
<td>Assess compliance with policy and governance around service fees and indirect charges levied by units and impact on budget model</td>
<td>In addition to overhead allocation, there are fees and indirect charges imposed by certain units for services outside the budget model. This has potential to create administrative burden and impacts funding allocation discussions.</td>
</tr>
<tr>
<td>19 Americans with Disabilities Act (ADA)</td>
<td>In conjunction with Office of Compliance and Ethics, assess key business processes for compliance with ADA</td>
<td>Non-compliance with ADA can impact strategic and reputational risks.</td>
</tr>
<tr>
<td>20 Gator 1 Card IT General Controls</td>
<td>Assess the IT general controls for the system used to manage Gator 1 card.</td>
<td>Gator 1 card is integral to providing access to critical services, including access to University facilities. It is an in-house developed and maintained system.</td>
</tr>
<tr>
<td>Audit Area</td>
<td>High Level Scope</td>
<td>Rationale</td>
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<td>----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Follow-up</td>
<td>Ongoing</td>
<td>Follow up on the implementation of management action plans from internal audit and other assurance reports.</td>
</tr>
<tr>
<td>Management Requests</td>
<td>Ongoing</td>
<td>Advisory services will be considered where internal audit can add value to improve internal controls and business processes.</td>
</tr>
<tr>
<td>Investigations</td>
<td>Ongoing</td>
<td>Responding to and following up on whistleblower and other complaints received through the 'Hotline' and other sources.</td>
</tr>
</tbody>
</table>
COMMITTEE ON GOVERNANCE, GOVERNMENT RELATIONS AND INTERNAL AFFAIRS
AGENDA
Thursday, June 8, 2023
~9:30 a.m.
President’s Room 215B, Emerson Alumni Hall
University of Florida, Gainesville, FL

Committee Members:
Morteza “Mori” Hosseini (Board and Committee Chair), David L. Brandon, Richard P. Cole, Christopher T. Corr, James W. Heavener, Rahul Patel, Fred S. Ridley, Patrick O. Zalupski

1.0 Call to Order and Welcome .........................................................Morteza “Mori” Hosseini, Chair

2.0 Verification of Quorum .............................................................................Vice President Liaison

3.0 Review and Approval of Minutes.............................................................Mori Hosseini, Chair
March 16, 2023
May 9, 2023

4.0 Action Items
GGRIA1 Direct Support Organizations Appointments ..........Amy Hass, Vice President and General Counsel
GGRIA2 UF Regulation ....................................................................................Amy Hass
GGRIA3 Facility Security Clearance .........................David Norton, Vice President for Research

5.0 Discussion Item
5.1 Government Update...............Mark Kaplan, Vice President for Government and Community Relations and University Secretary

6.0 New Business ..............................................................................................Mori Hosseini, Chair

7.0 Adjourn ........................................................................................................Mori Hosseini, Chair
Committee and Board members present:

Others present:
Ben Sasse, President; Joseph Glover, Provost and Senior Vice President for Academic Affairs; Scott Angle, Senior Vice President for Agriculture and Natural Resources; Chris Cowen, Senior Vice President and Chief Financial Officer; Melissa Curry, Interim Vice President for Human Resources; Elias Eldayrie, Vice President and Chief Information Officer; Amy Hass, Vice President and General Counsel; Mark Kaplan, Vice President for Government and Community Relations and University Secretary; Jim Kelly, Interim Chief Executive Officer of UF Health; Charlie Lane, Senior Vice President and Chief Operating Officer; Maria Martin, Interim Vice President for Advancement; Marsha McGriff, Chief Diversity Officer and Senior Advisor to the President; David Nelson, Senior Vice President for Health Affairs and President of UF Health; David Norton, Vice President for Research; Steve Orlando, Interim Vice President for Strategic Communications and Marketing; Mary Parker, Vice President for Enrollment Management and Associate Provost; Curtis Reynolds, Vice President for Business Affairs; Scott Stricklin, Director of Athletics; Heather White, Vice President of Student Life; members of the University of Florida community, and the public.

1.0 Call to Order and Welcome
Board and Committee Chair Hosseini welcomed everyone in attendance and called the meeting to order at 3:49 p.m.

2.0 Verification of Quorum
Vice President and University Secretary Kaplan verified a quorum noting Trustees Heavener and Ridley were unable to attend the meeting.
3.0 Review and Approval of Minutes
Board and Committee Chair Hosseini asked for a motion to approve the committee minutes of the December 8, 2022 and February 13, 2023 meetings, which was made by Trustee Brandon, and a second, which was made by Trustee Zucker. Board Committee Chair Hosseini asked for further discussion, after which he asked for all in favor of the motion and any opposed, and the motion was approved unanimously.

4.0 Action Items
GGRIA1 Direct Support Organizations Appointments
Vice President and General Counsel Amy Hass noted the Board had 19 direct support organization appointments for approval in their materials to review including bios of each appointee. These were provided during the pre-meeting last month.

- Citrus Research Development Foundation: Eric Rohrig
- Florida Foundation of Seed Producers: Charles Allison, John Sizemore
- Florida 4-H Club Foundation, Inc.: Mario J. Bailey, Ralph Herrerias, Terry Stout
- UF Investment Corporation: Rebecca Patterson
- UF Leadership and Education Foundation: Reggie Brown, Michele Curts, Mike Joyner, Brian Myers, Carolina C. Villanueva

Board and Committee Chair Hosseini asked for any questions or further discussion. He then asked for a motion to approve Action Item GGRIA1 for recommendation to the Board for its approval on the Consent Agenda, which was made by Trustee Brandon and a second, which was made by Trustee Zucker. Board and Committee Chair Hosseini asked for further discussion, and then asked for all in favor of the motion and any opposed, and the motion was approved unanimously.

GGRIA2 UF Regulations
Vice President and General Counsel Amy Hass reviewed two regulations for GGRIA2. Proposed regulation 7.050 establishes the UF parameters to protect postsecondary examination and assessment instruments from unauthorized disclosure in accordance with the requirements of BOG Regulation 3.005. Proposed regulation amendment 7.100 implements the recent changes to BOG Regulation 8.012 related to necessary approvals, authority and process for the University to terminate academic programs.

Board and Committee Chair Hosseini asked for any questions or further discussion. He then asked for a motion to approve Action Item GGRIA2 for recommendation to the Board for its approval on the Consent Agenda, which was made by Trustee Zucker and a second, which was made by Trustee Brandon. Board and Committee Chair Hosseini asked for further discussion, and then asked for all in favor of the motion and any opposed, and the motion was approved unanimously.
GGRIA3-A and GGRIA3-B Collective Bargaining Agreements-Police Benevolent Association
Vice President and General Counsel Amy Hass reviewed GGRIA3, two new three-year collective bargaining agreements between the Board of Trustees and the Florida Police Benevolent Association, Inc. (PBA), Lieutenants Bargaining Union and between the Board of Trustees and the Florida Police Benevolent Association, Inc. (PBA), Officers/Sergeants/PCOs Union.

Board and Committee Chair Hosseini asked for any questions or further discussion on the Collective Bargaining Agreements for the Police Benevolent Association. He then asked for a motion to approve Action Items GGRIA3-A and GGRIA3-B for recommendation to the Board for its approval on the Consent Agenda, which was made by Trustee Zucker and a second, which was made by Trustee Brandon. Board and Committee Chair Hosseini asked for further discussion, and then asked for all in favor of the motion and any opposed, and the motion was approved unanimously.

Additionally, Vice President and General Counsel Amy Hass brought forward an Action Item for the new Collective Bargaining Agreement for the UF Faculty Union. She stated they have agreed to accept the 3% merit raises that all other UF employees received effective October 1 without any additional changes or deviations. She requested the board to ratify that agreement. Committee Chair Hosseini asked for clarification on if anything additional beyond the 3% merit raise was included and VP Hass confirmed there was none.

Board and Committee Chair Hosseini asked for any questions or further discussion on the Collective Bargaining Agreement for the UF Faculty Union. He then asked for a motion to approve the Action Item for recommendation to the Board for its approval on the Consent Agenda, which was made by Trustee Brandon and a second, which was made by Trustee Zucker. Board and Committee Chair Hosseini asked for further discussion, and then asked for all in favor of the motion and any opposed, and the motion was approved unanimously.

GGRIA4 Officer Elections
Vice President and General Counsel Amy Hass reviewed two procedural items aligning the board chair and vice chair’s terms through the board of trustees’ bylaws. The first procedural item has the new vice chair serve six months plus and an additional two years, bringing that term to a close in 2025. The current chair term is set to end in 2024, procedurally to align the chair with the vice chair, a call for a motion to extend the chair term to 2025. The second procedural item is to extend the term of the chairmanship to align with the vice chair term ending 2025 and move the end date from June 30 to December 31. This would align with the calendar year and the Board of Governors and the Governor’s appointments of trustees. Trustee Corr shared his support of extending the chair’s term and his personal thanks to Chairman Hosseini for his leadership.

Board and Committee Chair Hosseini asked for a motion to approve Action Item GGRIA4 for recommendation to the Board for its approval on the agenda, which was made by Trustee Corr and a second, which was made by Trustee Cole. Board and Committee Chair Hosseini asked for any further discussion. Trustees Patel and Brandon additionally shared their full support of extending Chairman Hosseini’s term. Board and Committee Chair Hosseini asked for any further
discussion, and then asked for all in favor of the motion and any opposed, and the motion was approved unanimously.

Vice President and General Counsel Amy Hass indicated to Board and Committee Chair Hosseini he may open the floor to his nomination and election of vice chair. Board and Committee Chair Hosseini opened the floor for nominations of vice chair. He shared his personal thanks to all of the trustees and stated it is an honor and a privilege to work with them. Additionally, he stated that he is delighted the state of Florida, the legislators, and the Governor, see the value of the University of Florida. He said Trustee Patel, in particular, has been an incredible help to himself and to UF, including serving as Chair for the Presidential Search Committee.

Board and Committee Chair Hosseini put forward a motion to elect Trustee Patel as vice chair and that motion was seconded by Trustee Cole. Board and Committee Chair Hosseini asked for any further discussion. All trustees unanimously expressed their full support of appointing Trustee Patel as vice chair. Board and Committee Chair Hosseini asked for any further discussion, and then asked for all in favor of the motion and any opposed, and the motion was approved unanimously.

Trustee Patel extended his upmost thanks for the support and kind words from the Chairman and all the trustees.

5.0 Discussion Item
5.1 Government Update
Vice President for Government and Community Relations and University Secretary Mark Kaplan provided a government update. He shared that we are nearing the end of the second week of our nine-week legislative session. There have been a little over 1,700 bills that have been filed. As a point of reference, typically 200 bills are passed during a legislative session, which is scheduled to adjourn on May 5 this year. Continued discussion, amendments, and new proposals are expected. From an appropriations standpoint, there are a handful of system priorities that UF is advocating for and a variety of UF priorities around facilities, programs and of other aspects of the university. One of the gratifying procedural standpoints is the way legislators are looking to our faculty for expertise on issues. In closing, he highlighted Gator Day in Tallahassee on April 12, 2023.

6.0 New Business
Board and Committee Chair Hosseini stated this legislative session will be very busy. There are a lot of polity items that we are looking at, including the state funding for UF and other universities. He is optimistic UF will be in good shape, if we show the legislature the value of UF and the return on investment we bring to the state of Florida. He is hopeful to be able to report at the June board meeting how we have done with our large number of asks to help our state, research, and students.

7.0 Adjourn
There being no further discussion, Board and Committee Chair Hosseini adjourned the meeting at 4:25 p.m.
COMMITTEE ON GOVERNANCE, GOVERNMENT RELATIONS 
AND INTERNAL AFFAIRS 
Pre-Meeting Minutes 
Virtual Meeting 
May 9, 2023 
Time Convened: 10:00 a.m. 
Time Adjourned: 10:29 a.m.

Committee and Board members present: 

Others present: 
Ben Sasse, President; Chris Cowen, Senior Vice President and Chief Financial Officer; Melissa Curry, Interim Vice President for Human Resources; Elias Eldayrie, Vice President and Chief Information Officer; Joseph Glover, Provost and Senior Vice President of Academic Affairs; Amy Hass, Vice President and General Counsel; Mark Kaplan, Vice President for Government and Community Relations and University Secretary; Mary Parker, Vice President for Enrollment Management and Associate Provost; Curtis Reynolds, Vice President for Business Affairs; Heather White, Vice President for Student Life; members of the University of Florida community, and the public.

1.0 Call to Order and Welcome 
Board and Committee Chairman Hosseini welcomed everyone in attendance and called the meeting to order at 10:00 a.m.

2.0 Roll Call 
Vice President and University Secretary Mark Kaplan conducted a roll call, and all Committee members were present.

3.0 Review Draft Agenda for June Meeting 

3.1 Review Action Items 
Chairman Hosseini noted the pre-meeting is for discussion only and no action will come to the committee.

- GGRIA1 Direct Support Organizations Appointments
Vice President and General Counsel Amy Hass summarized the 23 direct support organization appointments before the committee for approval, including eighteen for UF Alumni Association, four for UF Historic St. Augustine, and 1 for UF Investment Corporation.

- **UF Alumni Association (18)**: Jennifer Adams, Roger “Beau” Beaubien, Kristin Carter, Ruan Cox, Jessica Costello, Christina Cabrera, Christina Criser Jackson, Carlos del Sol, Alex Hurd, Kim Kaupe, Erica Loewe, Isabella Montoya, Careshia Moore, Glenna Palazzo, Nik Patel, Andrea Pelt-Thornton, Damon Sununtnasuk, Craig Thompson
- **UF Historic St. Augustine (4)**: J. Michael Francis, Elsbeth “Buff” Gordon, Bill Robinson, Herschel Shepard
- **UF Investment Corporation (1)**: Scott Friedman

Trustee Amanda Phalin expressed her full support of UF Alumni Association appointee Isabella Montoya.

- **GGRIA2 UF Regulations**
  Vice President and General Counsel Amy Hass reviewed two regulations, 3.0375 and 7.010.

  3.0375: The proposed regulation amendment reflects an increase in the repeat course surcharge from $189.74 to $204.65, an increase of $14.91, as set by the BOG.

  7.010: In accordance with BOG Regulation 10.003, this proposed regulation amendment replaces UF’s sustained performance evaluation process with a policy requiring tenured faculty to undergo a comprehensive post-tenure review every five years as promulgated by Senate Bill 7044 from the 2022 Legislative Session.

### 3.2 Discussion Item

- **Government Update**
  Vice President for Government and Community Relations and University Secretary Mark Kaplan shared UF had a record year of funding receiving approximately $130M in new recurring Education & General funding and more than $250M for fixed capital outlay (PECO). This increased UF’s fixed capital outlay over the last five legislative sessions to an unprecedented $750M. He noted the 2024 legislative session is set to begin on January 9, 2024 and committee meetings will begin this September. He expressed his immense gratitude to Board Chair Hosseini for his tireless effort as the biggest advocate for UF and without him UF would not have received this record-breaking funding.

Board and Committee Chair Hosseini thanked VP Kaplan for his kind words and added that the funding received by UF this year is unprecedented. He noted that we owe a debt of gratitude to everyone at UF, our faculty, staff, administration, trustees, for their teamwork and diligence. Specifically, he expressed his thanks to President Sasse and Trustee Zalupski for their efforts. He shared he is particularly proud of funding projects for P.K. Yonge and UF Health. He noted that the Dental Science Building is under review from the President, and he will come to the Board with his decision of what direction will be taken for that facility.
Trustee David Brandon echoed VP Kaplan’s comments on Chairman Hosseini’s dedication and tireless effort for UF.

VP Kaplan remarked on the policy takeaways, noting the Board of Governors will be providing direction to the universities.

Trustee Amanda Phalin inquired what the chances are of the funding for the Music Building will be vetoed. Board and Committee Chair Hosseini said they are pushing for the funding. The President will decide if more money is needed for the project and how funds will be used. He closed his remarks by thanking the Board for coming to Tallahassee for Gator Day and encouraged them to continue to reach out to legislators on behalf of UF.

4.0 New Business
There was no new business to come before the committee.

5.0 Adjourn
There being no further discussion, Board and Committee Chair Hosseini adjourned the meeting at 10:29 a.m.
SUBJECT: Direct Support Organization Appointments

BACKGROUND INFORMATION
Pursuant to University of Florida Governance Enhancements adopted by the University of Florida Board of Trustees on December 7, 2018, all appointments of Directors to University Direct Support Organizations must be approved by the University of Florida Board of Trustees.

The Direct Support Organizations listed below have requested the following individuals be approved to their board:

**UF Alumni Association, Inc. (18):**
- Jennifer Adams
- Jessica Costello
- Alex Hurd
- Careshia Moore
- Damon Sununtnasuk
- Roger ‘Beau’ Beaubien
- Christina Cabrera
- Kim Kaupe
- Glenna Palazzo
- Craig Thompson
- Kristin Carter
- Christina Criser Jackson
- Erica Loewe
- Nik Patel
- Ruan Cox
- Carlos del Sol
- Isabella Montoya
- Andrea Pelt-Thornton

**UF Historic St. Augustine, Inc. (4):**
- J. Michael Francis
- Elsbeth ‘Buff’ Gordon
- Bill Robinson
- Herschel Shepard

**UF Investment Corporation, Inc. (1):**
- Scott Friedman

PROPOSED COMMITTEE ACTION
The Committee on Governance, Government Relations, and Internal Affairs is asked to approve the individuals listed above and in the board materials for recommendation to the Board of Trustees for approval on the Consent Agenda.

ADDITIONAL COMMITTEE CONSIDERATIONS
None.

Supporting Documentation Included: Director Support Organization Appointments Summary

Submitted by: Amy Meyers Hass, Vice President and General Counsel

Approved by the University of Florida Board of Trustees, June 8, 2023
COMMITTEE ON GOVERNANCE, GOVERNMENT RELATIONS, AND INTERNAL AFFAIRS

DIRECT SUPPORT ORGANIZATION WITH BOARD APPOINTMENTS EXPIRING ON OR BEFORE JUNE 2023 FOR UF BOARD OF TRUSTEES APPROVAL

UF Alumni Association - 18
UF Historic St. Augustine - 4
UF Investment Corporation - 1
Bio:

Jennifer Adams, BSTEL 1997, is the Vice President of CNN Sports Programming. Based in Atlanta, Jennifer has worked at CNN for 24 years in a variety of roles across CNN, CNNi, HLN and truTV. As VP of CNN Sports, Jen leads teams in London and Atlanta who are responsible for newsgathering and programming, serving a variety of platforms including CNN International, CNN, CNN Digital and HLN. She works closely with Bleacher Report, Turner Sports and Discovery Sports around revenue driving opportunities. Jen and the CNN Sports team cover major sporting events like the Super Bowl, NCAA Men's & Women's Basketball Tournaments, NBA All-Star Game & Finals, The Masters Tournament and other golf majors, MLB World Series, NHL Stanley Cup, Olympics, the FIFA Men's & Women's World Cup, Formula 1 Racing, US Open and other tennis majors, Rugby World Cup and more. Outside of work, Jen is a busy mom to a 14-year old son and an 11-year old daughter. Living in a house divided and in an enemy state, Jen spends a lot of time sharing her love of the University of Florida and the wider Gator nation with her kids, friends and colleagues. Her family welcomed their first pet during the pandemic, a mini goldendoodle named Nox. Nox with a N and not a K! Jen is active in her East Cobb community volunteering in schools, with youth sports teams, and as an advisory board member for the Kate's Club organization, in addition to her role with the UFAA Board of Directors.

She has served on the UFAA Board of Directors since 2019; her current term expires on 6/30/2025.
DIRECT SUPPORT ORGANIZATION:

UF Alumni Association

Name: Roger “Beau” Beaubien
Type: Elected Director (New)
Replacing: Lance Karp
Term Number: Second
Term Dates: 07/01/2023-06/30/2025
Length of Term: 2 years
Other DSO’s: N/A

Bio:

Roger “Beau” Beaubien, BA 2005, is currently Of Counsel at Greenberg Traurig, LLP. He was previously Deputy Chief of Staff and Director of Cabinet Affairs to Governor Ron DeSantis. Beau formerly served as Special Counsel and Assistant Attorney General to Attorney General Pam Bondi. Beau was raised in Tampa, Florida. He graduated in 2005 from the University of Florida with a B.A. in Political Science, and in 2012 with his law degree from Florida State University. Beau enjoys reading about Florida history, fishing, and following Florida Gators athletics. Beau and his wife Alyssa live in Tallahassee with their son Beau.
**DIRECT SUPPORT ORGANIZATION:**

**UF Alumni Association**

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<thead>
<tr>
<th>Name:</th>
<th>Christina Cabrera</th>
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<tr>
<td>Type:</td>
<td>Elected Director (New)</td>
</tr>
<tr>
<td>Replacing:</td>
<td>Scott Thomas</td>
</tr>
<tr>
<td>Term Number:</td>
<td>First</td>
</tr>
<tr>
<td>Term Dates:</td>
<td>07/01/2023-06/30/2025</td>
</tr>
<tr>
<td>Length of Term:</td>
<td>2 years</td>
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<tr>
<td>Other DSO*:</td>
<td>N/A</td>
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**Bio:**

Cristina Cabrera, BA 1994, MBA 1999, is a healthcare executive, proud community volunteer and mom. She currently works for a leading global telemedicine and virtual healthcare company, utilizing her Spanish speaking skills to support the company’s initiatives and expand client growth. In her free time, she serves as Volunteer VP for the Tampa Gator Club, community Alumni Advisor at her sorority’s local college chapter, mentor for the Hillsborough Professional Women’s Association, Christ the King School Parent Club committee member and Steering Committee member for Project Shoes at Christ the King Parish, donating over 1800 pairs of shoes to the underserved community.

Cristina currently lives in Tampa, FL and will be serving her first term on the UFAA Board of Directors; her term expires 6/30/2025.
DIRECT SUPPORT ORGANIZATION:

UF Alumni Association

Name: Kristin Carter
Type: Elected Director (Reappointment)
Replacing: N/A
Term Number: Third
Term Dates: 07/01/2023-06/30/2025
Length of Term: 2 years
Other DSO’s: N/A

Bio:

Kristin Carter, BSJ 1993, is an attorney with the Office of the Broward County Attorney. Before beginning work for the county government as Chief of Staff to Commissioner Tim Ryan in 2012, she spent ten years working for the Florida Legislature. Kristin lives in Fort Lauderdale, FL and is the rescue mom of Lucy, a Rottweiler, and Wally, an American Bulldog mix. She contributes to the Machen Florida Opportunity Scholarship Program and volunteers with South Florida charities that offer free legal assistance to residents applying for U.S. citizenship. While at UF, she was active in Sigma Kappa and Florida Blue Key and served as General Chairman of Homecoming in 1995. She earned a master’s degree from The George Washington University and a Juris Doctorate from Florida International University.

Kristin has served on the UFAA Board of Directors since 2018; her current term expires on 6/30/2025.
DIRECT SUPPORT ORGANIZATION:

UF Alumni Association

Name: Jessica Costello
Type: Elected Director (New)
Replacing: Renee Dabbs
Term Number: Second
Term Dates: 07/01/2023-06/30/2025
Length of Term: 2 years
Other DSO’s: N/A

Bio:

The Honorable Jessica G. Costello, BA ‘06, was appointed on March 29, 2019 by the Governor of Florida to serve as a Hillsborough County Court Judge. She presides over County Civil and Domestic Violence Injunction cases. Shortly after her appointment to the bench, Judge Costello was selected by the Governor and First Lady of Florida to serve as a member of the Florida Children and Youth Cabinet, an entity whose mission is to improve the self-sufficiency, safety, economic stability, health and quality of life of all children in Florida. She is a proud mom to son Cameron and wife to husband Shane, a shareholder with a Tampa law firm.

Prior to her judicial appointment, Judge Costello served as an Assistant Statewide Prosecutor with the Florida Attorney General's Office. In this role she managed local, state and federal law enforcement teams in the prosecution of organized crime throughout the state with a focus on counter-terrorism, gangs, human trafficking, drug trafficking and fraud. She has spent the majority of her career in the field of criminal prosecution and tried a significant number of cases to verdict, ranging from misdemeanors to complex multi-defendant criminal matters to capital homicide. Judge Costello served as a member of Florida's Anti-Terrorism Task Force and the FBI's Joint Terrorism Task Force Executive Committee. She also worked with community leaders and nongovernmental organizations to engage and inform the public about issues related to crime in the community.

Named Florida's Gang Prosecutor of the Year in 2015, Judge Costello was selected as a Top Government Attorney by Florida Trend from 2014-2019, and was inducted into the Tampa Bay Business Journal's 'Up and Comers' Hall of Fame in 2016. She was named a 'Woman of Color Leading Change' by the YWCA of Tampa Bay in 2017, received the University of Florida's Outstanding Young Alumni award in 2018 and in 2020 was recognized for her leadership and service as an Honorary Inductee into Florida Blue Key. In 2021, the Florida Assoc. of Women Lawyers named her a ‘Leader in the Law’ and in January 2022 the Hillsborough County Bar Association named Judge Costello ‘Outstanding Jurist of the Year’.

Jessica currently lives in Tampa, FL.
DIRECT SUPPORT ORGANIZATION:

UF Alumni Association

Name: Ruan Cox
Type: Elected Director (Reappointment)
Replacing: N/A
Term Number: Second
Term Dates: 07/01/2023-06/30/2025
Length of Term: 2 years
Other DSO’s: N/A

Bio:

Ruan Cox, BS 2008, is a scientist, strategic partnerships and strategy professional, community builder, as well diversity and inclusion advocate. He currently serves as an Associate Director for Strategic Partnerships at Regeneron Genetics Center, a subsidiary of Regeneron Pharmaceuticals, Inc. In this capacity, Ruan helps to push forward the mission of one of the world's largest human genomic research efforts, which is to improve patient care by using genomic approaches to speed drug discovery and development. He works with universities, academic health care centers, and private industry worldwide to help Regeneron execute a wide range of strategic partnerships to enable this mission. Before joining Regeneron, Ruan served as the Assistant Director for Business Development in the Technology Transfer Office at the University of South Florida’s Research and Innovation Division. Prior to his work at the University of South Florida, Ruan worked at the world-renowned Moffitt Cancer Center where he helped to create the industry alliances unit in the center’s Office of Innovation. Ruan’s relationship building prowess combined with his scientific training led to over $180 million in new funding generated for cancer research and clinical care.

Ruan earned a Bachelor of Science in Biology from the University of Florida and a Ph.D. in Molecular Medicine from the University of South Florida’s Morsani College of Medicine with a focus in Immunology. Through his research contributions to this field, Ruan has had numerous publications that have contributed to the advancement of treatment options for resolution of lung injury. Ruan currently serves on boards for the Tampa Bay Economic Development Corporation, American Thoracic Society, Scientists, Inc. and Iota Phi Theta Fraternity, Inc. Of all his volunteer efforts, Ruan takes particular pride in his work for the UF Alumni Association where he served four years on the Tampa Gator Club board including a term as president in the 2018-2019.

Ruan currently lives in New York, NY and has served on the UFAA Board of Directors since 2021; his current term expires 6/30/2025.
**DIRECT SUPPORT ORGANIZATION:**

**UF Alumni Association**

**Name:** Christina Criser Jackson  
**Type:** Elected Director (New)  
**Replacing:** Josh Weingard  
**Term Number:** First  
**Term Dates:** 07/01/2023-06/30/2025  
**Length of Term:** 2 years  
**Other DSO’s:** N/A

**Bio:**

Christina, BA 2006, MS 2010, has dedicated her life to nonprofit work. With a bachelors in English and a master’s degree in family, youth and community sciences, Christina is passionate about improving lives and strengthening our community. Starting her career at United Way Worldwide, Christina has served our Central Florida community for over a decade.

As President and CEO of United Way of Central Florida, Christina collaborates with a team of 35 staff members, 80 partner services, 2,000 volunteers, and 20,000 donors throughout Polk, Highlands, and Hardee counties. They are responsible for processing the Publix-United Way workplace campaign, raising over $58 million annually throughout the southeastern United States. In addition to annual operations, her team recently opened the Carol Jenkins Barnett United Way Children’s Resource Center at Bonnet Springs Park and launched a $5.8 million grant to address behavioral health and early intervention needs in Polk County.

She is a board member at GiveWell Community Foundation, Polk Vision, and President of Association of Fundraising Professionals Florida Caucus. She is a sustaining member of the Junior League of Greater Lakeland and involved in various faith and civic groups. Christina is a graduate of the United Way Worldwide Advanced Leadership Program.

Christina currently lives in Lakeland, FL and will be serving her first term on the UFAA Board of Directors; his term expires 6/30/2025.
DIRECT SUPPORT ORGANIZATION:

UF Alumni Association

Name: Carlos del Sol
Type: Elected Director (Reappointment)
Replacing: N/A
Term Number: Third
Term Dates: 07/01/2023-06/30/2025
Length of Term: 2 years
Other DSO’s: N/A

Bio:

Carlos del Sol, BSIE 1972, retired as Vice President Global Engineering for the Campbell Soup Company where he was responsible for the corporate engineering function supporting operations worldwide. During his twenty-three-year tenure with Campbell, he led a highly engaged organization to successfully execute a multitude of complex capital projects, applying state of the art technology to introduce new products, expand manufacturing capability, and optimize supply chain operations. Mr. del Sol was recognized for leadership in the area of organization effectiveness and diversity.

Prior to joining Campbell, he held leadership positions in manufacturing, engineering, production, logistics, and advanced manufacturing technology at General Electric. Carlos earned a B.S. degree in Industrial Engineering from the University of Florida. Upon graduation, he joined General Electric and graduated from GE’s two-year Manufacturing Management Program.

Carlos served as Vice Chairman of the Campbell Soup Foundation and as a Trustee of the Board of the United Way of Camden County, NJ. He has been recognized with the University of Florida Distinguished Alumnus Award, the University of Florida Industrial Engineering Alumni Leadership Award, and the Camden County, NJ Prominent Hispanic Award. He is a member and former chair of the University of Florida College of Engineering Dean’s Advisory Board and currently serves as chair of the Industrial Engineering Advisory Board.

Carlos and his wife, Olga, live in Newberry, FL and he has served on the UFAA Board of Directors since 2019; his current term expires on 6/30/2025.
DIRECT SUPPORT ORGANIZATION:

UF Alumni Association

Name: Alex Hurd
Type: Elected Director (New)
Replacing: Jocelyn Moore
Term Number: First
Term Dates: 07/01/2023-06/30/2025
Length of Term: 2 years
Other DSO’s: N/A

Bio:

Alex Hurd, BA 2001, is a purpose driven leader with a track record of creating, leading, and managing businesses that leverage global partnerships to generate commercial value and drive societal impact. His career has spanned the globe with assignments across the Americas, Asia, Africa, and Europe.

Alex is currently the Vice President, Health Services for Walmart Canada, overseeing a complex business spanning retail pharmacy, clinics, vision centers and OTC medicines. He oversees a team of over 5,000 Associates tasked with enhancing access to affordable, personalized care for all Canadians. During his ten-year tenure with Walmart, Alex has held multiple global leadership roles, including as COO for ClarusONE, Walmart and McKesson’s UK-based pharmaceutical sourcing joint venture, and Head of strategy and business development for Walmart’s Health and Wellness business unit in the U.S.

Alex began his career with Deutsche Bank’s investment bank and spent several years leading healthcare and renewable energy programs for the Clinton Foundation. He is a Fulbright Scholar and former co-chair for the Consumer Goods Forum’s health and wellness steering committee.

He is fluent in five languages and currently resides with his family in Toronto. He will be serving his first term on the UFAA Board of Directors; his term expires on 6/30/2025.
DIRECT SUPPORT ORGANIZATION:
UF Alumni Association

Name: Kim Kaupe
Type: Elected Director (New)
Replacing: Kevin Mayeux
Term Number: Second
Term Dates: 07/01/2023-06/30/2025
Length of Term: 2 years
Other DSO’s: N/A

Bio:

Kim Kaupe, BSBA 2008, is a founder, keynote speaker, and one-of-a-kind teacher. From worldwide stages to her online courses, Kim’s mission of investing in yourself, your career and your network has garnered the praise of corporate clients such as American Express, YPO and TEDx. On LinkedIn alone, she has served over 200,000+ students through her entrepreneur-focused LinkedIn Learning courses.

Her current company, Bright Ideas Only, is a marketing and fan engagement agency based in Austin, Texas and Charleston, South Carolina. The company works with powerhouse, A-list properties such as Oprah, The New York Mets, KISS, Shawn Mendes, ACE Comic Con, Miller Coors, and Paul McCartney to create new programs, revenue streams and branding. Her previous companies, ‘ZinePak and The Superfan Company, garnered global praise from being named one of The Wall Street Journal’s Startup of the Year to being featured on Season 5 of ABC’s hit primetime show, Shark Tank, securing offers from 4 out of 5 sharks.

Kim’s accolades include Forbes 30 Under 30, Advertising Age’s 40 Under 40, Inc.’s 35 Under 35 and EY’s Young Innovator of the Year Award. Kim regularly contributes commentary on business, entrepreneurship and entertainment to media outlets such as Rolling Stone, Forbes and Entrepreneur in addition to being featured on television networks, such as her appearance as a judge for 2019 Miss USA pageant LIVE on Fox.

Kim is passionate about giving back to the next generation through her volunteer work and service on foundation boards such as Junior Achievement and the Andrus Family Fund. She enjoys good music, witty banter, and commenting on life and entrepreneurship on her social channels. If you don’t interrupt her during one of her beloved Florida Gator games, she is always up for a conversation, laugh, or figuring out a master plan on how she can meet one of her idols, Harrison Ford.
DIRECT SUPPORT ORGANIZATION:
UF Alumni Association

Name: Erica Loewe
Type: Elected Director (Reappointment)
Replacing: N/A
Term Number: Second
Term Dates: 07/01/2023-06/30/2025
Length of Term: 2 years
Other DSO’s: N/A

Bio:

Erica Loewe, BSPR 2011, is the Director of African American Media to President Joseph R. Biden at The White House. Previously, she served as the Deputy Communications Director for House Majority Whip James E. Clyburn, the highest-ranking African American in the United States Congress. Prior to joining House leadership, Erica served as Deputy Communications Director and Press Secretary on the House Financial Services Committee under Congresswoman Maxine Waters.

Some of her earliest professional experiences in politics include a top-tier public affairs firm, formerly known as the Podesta Group; the 2013 Presidential Inaugural Committee; the BGR Group, a former political consulting firm for the University of Florida; and the Obama White House.

However, the very first President she served was the 11th President of the University of Florida, Dr. J. Bernard Machen, in her role as Events Coordinator and Interim Director of Presidential Events and Commencement. Erica also volunteers with various political campaigns and organizations that align with issues close to her heart, including the Alzheimer’s Association, which helps fight the disease her mother has suffered from for nearly 10 years.

Erica was born in Charleston, SC, raised in Miami, FL, and currently lives in Washington, DC. She has served on the UFAA Board of Directors since 2021; her current term expires 6/30/2025.
DIRECT SUPPORT ORGANIZATION:

UF Alumni Association

Name: Isabella Montoya
Type: Presidential Appointee (New)
Replacing: Oscar Sanchez
Term Number: First
Term Dates: 02/11/2023-06/30/2025
Length of Term: 2 years
Other DSO's: N/A

Bio:

Isabella Montoya, BS 2022, currently resides between San Francisco and Los Angeles, where she is an Intellectual Property Specialist at Meta (Facebook). She began her career with Meta her sophomore year of college and since then, has worked on product operations and data analytics teams for the company. Isabella has a passion for teaching others about technology, while advocating for inclusivity and diversity in the industry. She has collaborated with many organizations, including Girls Who Code, to lead workshops on breaking into the technology sector.

Her career expands into the web3 and NFT space where she works with multiple startups to launch transformative projects in the sector. She has hosted and spoken at conferences such as NFT NYC, LA Tech Week, Miami Art Basel, and Hola Metaverso in Bogota. Her passion for film has led her to host large scale panels on the intersection between NFT's and the entertainment industry. Isabella has also competed in hackathons across the United States, where she has collaborated with teams to develop a variety of apps. Outside of work Isabella enjoys surfing, skateboarding, and classical music.

Isabella graduated from the University of Florida with a bachelor’s degree in Information Systems and minor in Portuguese. She served as President of Woman of Warrington, Co-President of Latin American Women in Business, and was a strategist on UF’s International Case Team. She was also a member of UF's Honor College, Florida Blue Key, Delta Gamma, and the National Portuguese Honors Society (Phi Lambda Beta). Additionally, through the University Scholars Program, Isabella researched the impact of algorithmic biases in artificial intelligence systems. During her time at UF, Isabella was honored with UFAA’s Outstanding Leader Award and Heavener's Distinction in Leadership Award.

Isabella is serving a two-year appointment to fill a vacancy on the UFAA Board of Directors; her term expires 6/30/2025.
 DIRECT SUPPORT ORGANIZATION:
UF Alumni Association

Name: Careshia Moore
Type: Elected Director (Reappointment)
Replacing: N/A
Term Number: Second
Term Dates: 07/01/2023-06/30/2025
Length of Term: 2 years
Other DSO’s: N/A

Bio:

Careshia Moore, BA ’99, MEd ’00, JD ’07, is the President and CEO of Usher’s New Look (UNL), the global youth development organization founded in 1999 by grammy-award winning artist, Usher Raymond IV. In her role as President and CEO of UNL, she provides strategic leadership to the organization that is committed to transforming the lives of underserved youth into passion-driven leaders.

Careshia is an advocate, author, and educator who has a heart for inspiring others to reach their potential through education. She shares her passion as a keynote speaker and panelist in numerous conferences and workshops such as the Hope Global Forum and the National Black Child Institute Summit. As a life-long educator, her observation of the disparities among underserved youth was the catalyst for the work in which she is currently engaged and propels her to continue to seek out innovative strategies to equip youth to compete to succeed.

As an undergraduate student at the University of Florida, Careshia gained a passion for helping youth from communities in need access education as a vehicle to change the trajectory of their lives. During her time at UF she was engaged in various organizations and received numerous honors, including but not limited to, Executive Board member of Delta Sigma Theta Sorority, Inc., named as Presidential Scholar, recipient of the Florida Fund for Minority Teachers Fund, a member of Black Law School Association, and a member of numerous honor societies.

Careshia has continued to engage with her community through membership on boards such as Communities in Schools of Henry County and United Way Advisory Board. She is also a certified Aggression Replacement Trainer and has worked with justice-involved youth as a trainer and a Neighborhood Accountability Board Coordinator. In recognition of her dedication to the community and her passion for encouraging and inspiring others, she was named as one of Southern Journal Magazine’s Top 14 under 40 and as a YMCA’s Innovative Woman in History. Careshia is married to UF alumnus, Lamar Moore, and they are the proud parents of one son and one daughter.

She currently lives in McDonough, Georgia and has served on the UFAA Board of Directors since 2021; her current term expires 6/30/2025.
DIRECT SUPPORT ORGANIZATION:

UF Alumni Association

Name: Glenna Palazzo  
Type: Elected Director (Reappointment)  
Replacing: N/A  
Term Number: Second  
Term Dates: 07/01/2023-06/30/2025  
Length of Term: 2 years  
Other DSO’s: N/A

Bio:

Glenna Palazzo, BSPR ‘90, is President and Owner of Black Cat Revenue, a strategic business consulting firm focused on increasing sales results and improving sales operational efficiencies. Her experience includes work in the legal services, accounting, customer experience and cyber security industries. A veteran executive, Glenna has held sales and operational leadership roles for large and diverse organizations including Harvard Business School Publishing, AchieveGlobal, Wolters Kluwer and Epiq Legal Services before starting her own firm.

Glenna is active in her community and serves as the president of the high school Booster club and a member of the National Charity League.

While at UF, Glenna was President of the Inter-Residence Hall Association, Chairman of the Reitz Union Board of Managers, a member of Preview, Kappa Delta, Florida Blue Key and inducted into the University of Florida Hall of Fame. Glenna earned her bachelor’s degree, with honors, and was named the UFAA Outstanding Leader for her graduating class. She also represented the Gainesville Rotary Club as an Ambassadorial Scholar for her post graduate education at the Manchester Business School in Manchester, England.

Glenna, her husband Alan, and two daughters live in the Dallas metroplex and are avid Gator fans supporting all Gator athletics that come to the state of Texas. She has served on the UFAA Board of directors since 2021; her current term expires on 6/30/2025.
Name: Nik Patel  
Type: Elected Director (Reappointment)  
Replacing: N/A  
Term Number: Third  
Term Dates: 07/01/2023-06/30/2025  
Length of Term: 2 years  
Other DSO’s: N/A

Bio:

Nik Patel, BA ’96, MBA ’01, is a Senior Vice President of Cyber/Information Security at Citi. He has been part of Citi for over 10 years holding various roles. Prior to Citi, Nik worked for Walmart and Accenture working in multiple locations including: Charlotte, NC; New York, NY; Boston, MA; Portland, OR; and Los Angeles, CA.

He received both his Economics degree and Master of Business from the University of Florida. While at UF, he held leadership roles in Student Government and Florida Blue Key and was ultimately elected to the UF Hall of Fame.

Nik has served on the UFAA Board of Directors since 2019. His current term expires on 6/30/2025.
DIRECT SUPPORT ORGANIZATION:
UF Alumni Association

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<thead>
<tr>
<th>Name:</th>
<th>Andrea Pelt-Thornton</th>
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<tr>
<td>Type:</td>
<td>Elected Director (New)</td>
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<tr>
<td>Replacing:</td>
<td>Terri Lubaroff</td>
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<td>Term Number:</td>
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<td>Term Dates:</td>
<td>07/01/2023-06/30/2025</td>
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<td>Length of Term:</td>
<td>2 years</td>
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<td>Other DSO’s:</td>
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Bio:

Andrea Pelt-Thornton, BA 1983, is a retired Information Technology Agile Delivery Manager. Prior to her recent retirement from NextEra Energy/Florida Power and Light Company (FPL), she delivered Data Analytics and enterprise collaboration solutions for the corporation. As a member of the NextEra Energy Corporate Diversity Council, and past president of the African American Professional Employee Group, Andrea provided high level strategic direction to corporate-wide diversity and inclusion initiatives.

Andrea is active in various professional organizations including the Board of Directors for the Customer Service Week Conference (CS Week), delivering professional educational opportunities for utilities. She is also a past President of the Florida Chapter of the American Association of Blacks in Energy.

Andrea is committed to public service. She is President of the Delta Education, Health and Cultural Initiative, Inc., a non-profit organization which enriches the South Florida community. Additionally, Andrea is an active member of The Links Incorporated, Fort Lauderdale Chapter where she is the past Vice President of Programs. Andrea is a Director of the Black Archives and Lyric Theater Foundation in Miami, Florida, and a member of Delta Sigma Theta Sorority, Incorporated, where she has served in leadership roles nationally, regionally, and locally as president of the Miami Alumnae Chapter. An NAACP Life Member, Andrea fondly served for several years as part of the ACT-SO Committee for the Miami-Dade Branch of the NAACP.

Andrea established the Willie and Johnnie Pelt Endowed Scholarship fund and was awarded the 2022 Gator Philanthropist Award by the UF Association of Black Alumni. She also received the Delta Sigma Theta Miami Alumnae Chapter 2019 Professional Achievement Award, and was acknowledged by Legacy Magazine as one of South Florida’s Most Influential Business Leaders of 2018. Andrea holds an MBA from Nova University, and a BS degree in Business Administration from the University of Florida. Together with husband Stanley and son Jeffrey, she loves travel, football, basketball, and family fun.

She will be serving her first term on the UFAA Board of Directors; her term expires on 6/30/2025.
DIRECT SUPPORT ORGANIZATION:

UF Alumni Association

Name: Damon Sununtnasuk
Type: Elected Director (Reappointment)
Replacing: N/A
Term Number: Second
Term Dates: 07/01/2023-06/30/2025
Length of Term: 2 years
Other DSO’s: N/A

Bio:

Damon Sununtnasuk, BSBA ’05, has an internationally decorated career in technology marketing and entrepreneurial leadership. Damon led marketing efforts at Microsoft, Google, and Samsung in London, Berlin, and Seoul, respectively. Damon is the founder and president of two award-winning startups – an industry-recognized natural products company, and a strategy consulting firm with a global client base. Damon has served on the board of multiple “Gator Clubs” around the world from Seattle to London, Seoul to New York, in addition to serving on the board of the Cambridge Alumni Association, Mexico.

Damon earned his Bachelor of Science in Business Administration (Magna Cum Laude) from the University of Florida, and his Master of Business Administration (First-Class Honors) from the University of Cambridge, England.

Damon is an avid traveler, having lived in five countries and traveled to more than 60. He currently lives in Mexico City, Mexico and has served on the UFAA Board of Directors since 2021; his current term expires on 6/30/2025.
DIRECT SUPPORT ORGANIZATION:
UF Alumni Association

Name: Craig Thompson
Type: Elected Director (New)
Replacing: Rebecca Brock
Term Number: First
Term Dates: 07/01/2023-06/30/2025
Length of Term: 2 years
Other DSO’s: N/A

Bio:
Craig, BS 2003, MA 2007, JD 2007, currently serves as the Chief Legal Officer of Integra Investments, a real estate private equity firm based in Miami, Florida.

Born and raised in Pensacola, Craig is a triple Gator, having received his J.D., M.S. in Entrepreneurship and B.S. in Business Management. While a student, he was twice elected as President of Florida Blue Key, President of the Interfraternity Council, selected as a J. Wayne Reitz Scholar and was inducted into the University of Florida Hall of Fame. A Gator since birth, 55 members of the Ponce-Gonzalez family have attended the University of Florida since Craig’s grandfather, Sergio Ponce, enrolled in 1941.

Craig currently lives in Coral Gables, FL with his wife, Georgia, a double Gator herself, and their two young children. He is serving his first term on the UFAA Board of Directors; his term expires on 6/30/2025.
DIRECT SUPPORT ORGANIZATION:

UF Historic St. Augustine

Name: J. Michael Francis  
Type: Reappointment  
Replacing: N/A  
Term Number: Second  
Term Dates: 06/08/2023-06/08/2027  
Length of Term: 4 years  
Other DSO’s: None

Bio:

Dr. J. Michael Francis received his PhD in History in 1998 from the University of Cambridge. Between 1997 and 2012, he taught at the University of North Florida. In 2012, Dr. Francis was named the Hough Family Chair of Florida Studies at the University of South Florida, St. Petersburg, and in 2016 he was appointed Chair of the Department of History and Politics at USFSP, a position he held until 2020.

Dr. Francis has written and edited five books and numerous book chapters and articles. Since 2016, he has served as the Executive Director of an ambitious digital history project, titled *La Florida: The Interactive Digital Archive of the Americas*.

Dr. Francis has received more than two dozen national and international awards, including a four-year appointment as a Research Fellow at the American Museum of Natural History in New York, and a Jay I. Kislak Fellowship at the Library of Congress in Washington, DC. In 2019, Dr. Francis received a $250,000 grant from the National Archives to support a three-year digital history project titled, *Lost Voices from America's Oldest Parish Archive, 1594-1821*.

In addition to his published work, Dr. Francis served on the St. Augustine 450th Commemoration Commission and as curator of the traveling museum exhibit, *Imagining La Florida: Juan Ponce de León and the Quest for the Fountain of Youth*. In 2021, Florida Governor DeSantis appointed Dr. Francis to serve on the Florida Historical Commission. That same year, Spain’s King Philip VI bestowed upon Dr. Francis the Officer’s Cross of the Order of Isabella the Catholic, one of the country’s most prestigious civil orders.
Name: Elsbeth “Buff” Gordon  
Type: Reappointment  
Replacing: N/A  
Term Number: Second  
Term Dates: 06/08/2023-12/31/2027  
Length of Term: 4 years  
Other DSO’s: None

Bio:

Elsbeth Gordon has written and illustrated several volumes published by University Press of Florida about Florida’s historic architectural landscape and why it is sacred to the nation’s and Florida’s identity and heritage. The first volume, Florida’s Colonial Architectural Heritage, spans building activities from 1565 to 1821 (and won the Book Award, Society of Architectural Historians). The second, Heart and Soul of Florida: Sacred Sites and Historic Architecture, spans 8,000 years of the State’s building heritage divided into three cultural periods, Indian, Spanish and British Colonial, and Territorial-Statehood. Her third book, Walking St. Augustine: An Illustrated Guide and Pocket History to America’s Oldest City (2015), is the story of St. Augustine from 1565 to today, building by building in color illustrations in the heart of what was once the “walled colonial city.” She also authored and recorded the Florida Humanities Council’s audio walking tours of St. Augustine, and articles in Forum and El Escribano.

Currently she is a Research Associate for the Historic St. Augustine Research Institute. She is a former member of the Board of Directors for Mission San Luis, Tallahassee, and the St. Augustine Lighthouse and Maritime Museum, and former Board member and past Vice President of the St. Augustine Archaeological Association. At the University of Florida, she is past President of Board of Advisors, University of Florida Performing Arts, and Board member of Florida Museum of Natural History. Before her contracts with University Press of Florida, she restored a number of Florida buildings listed on the National Register of Historic Places, and designed and sculpted the Martin Luther King, Jr. Memorial for the city of Gainesville. She lives in St. Augustine.
DIRECT SUPPORT ORGANIZATION:

UF Historic St. Augustine

Name: Bill Robinson
Type: Reappointment
Replacing: N/A
Term Number: Third
Term Dates: 06/08/2023-06/08/2027
Length of Term: 4 years
Other DSO’s: None

Bio:

Mr. Robinson is a Fellow with the Healthcare Financial Management Association (HFMA); and served on the HFMA-Large System CFO Council; the Florida Hospital Association – CFO Forum; and the Health Management Academy – CFO Council.

Experience: 1998-2014, Senior Vice President and Chief Financial Officer, Shands HealthCare; 1996-1998, Senior Vice President and Chief Financial Officer, Beth Israel Deaconess Medical Center, Boston, Massachusetts; 1988-1996, Senior Vice President and Chief Financial Officer, Valley Regional Health System Inc., Methuen, Massachusetts; 1982-1985, Vice President for Finance, The Leonard Morse Hospital, Natick, Massachusetts; 1974-1982, Controller, The Memorial Hospital, Worcester, Massachusetts.

Education: M.B.A., Nichols College; B.S.B.A., Northeastern University.
DIRECT SUPPORT ORGANIZATION:

UF Historic St. Augustine

Name: Herschel Shepard
Type: Reappointment
Replacing: N/A
Term Number: Third
Term Dates: 06/08/2023-06/08/2026
Length of Term: 3 years
Other DSO’s: None

Bio:

Herschel E. Shepard, born in Jacksonville, FL, is one of Florida’s leading experts in historic preservation. He earned his Master of Fine Arts in Architecture at Princeton University in 1956. Once he joined the faculty at UF he served as Director of Preservation Institute: Nantucket and occupied the Beinecke-Reeves Chair in Historic Preservation. His research grants included an initial study for the reconstruction of Mission San Luis, Tallahassee. Herschel worked on numerous restoration projects, which include the Historic 1902, Capital, Mildred and Claude Pepper Archives, Union Bank, and Princess Murat House in Tallahassee; the Miami Jackson Administrative Unit 1 (“Alamo”) in Miami; the Florida Theater in Jacksonville; Fort Clinch in Fernandina; and several colonial structures in St. Augustine. His consulting services included the Cultural Inventory of Tabuk Region, Saudi Arabia; the reconstruction of Mission San Luis, Tallahassee; and protection of the historic seawall in St. Augustine.

During Herschel’s career he received such awards as the 1997 Carl Reinhardt Award by the Florida Trust for Historic Preservation; the 2000 John Dyal Award by the Jacksonville Chapter AIA; the 2002 State of Florida Bob Williams Award; and the 2012 City of St. Augustine Aviles Award. Currently he is continuing a study of the Mississippian copper breastplates excavated at Mount Royal, Florida, as well as serving on the Board of Directors, UF Historic St. Augustine.

Herschel professes his indebtedness to the University of Florida architectural faculty and administration for the friendship, expertise guidance and indeed tolerance shown to him during his practice, teaching and subsequent retirement. Herschel has received the status of FAIA Emeritus and Professor Emeritus, UF School of Architecture. The Herschel E. Shepard Digital Collection of his work is available at the University of Florida George A. Smathers Libraries.
Bio:

Scott Friedman sits on the Management Committee and the Investment Partners Committee at Soroban Capital, a multi-billion-dollar global investment firm. Scott builds and monitors comprehensive Risk Analytics for the firm, and leads Global Trading. Scott has experience trading across every asset class and all parts of the capital structure globally; including Equity, Fixed Income, Derivatives, Rates, FX, Commodities, Swaps, and Structured Products.

Prior to Soroban Capital, Scott was the Head Trader at TPG-Axon Capital where he designed and led the trading desk analytics/technology/infrastructure across four global offices (New York, London, Hong Kong, & Tokyo). Prior to joining TPG-Axon, Scott was a Cross-Asset Trader in the proprietary Goldman Sachs Risk Arbitrage & Principal Strategies Group (internal multi-billion-dollar Goldman Sachs Hedge Fund). Scott started his career in 2001 at Goldman Sachs & Co. as an Analyst.

Scott is a CFA charter holder, a FRM (Financial Risk Manager) charter holder, a NYSSA (New York Society of Security Analysts) member and a GARP (Global Association of Risk Professionals) member. In addition, Scott serves as the Treasurer on the Board of Directors for Success Academy Charter Schools, and serves on the Advisory Committee for the New York Stock Exchange.
COMMITTEE ON GOVERNANCE, GOVERNMENT RELATIONS AND INTERNAL AFFAIRS
ACTION ITEM GGRIA2
June 8, 2023

SUBJECT: University of Florida Regulation

BACKGROUND INFORMATION
3.0375: The proposed regulation amendment reflects an increase in the repeat course surcharge from $189.74 to $204.65, an increase of $14.91, as set by the BOG.

PROPOSED COMMITTEE ACTION
The Committee on Governance, Government Relations and Internal Affairs is asked to approve the amendments to UF Regulation 3.0375, as set forth in the attached, for recommendation to the Board of Trustees for approval on the Consent Agenda.

ADDITIONAL COMMITTEE CONSIDERATIONS
None.

Supporting Documentation Included: UF Regulation 3.0375

Submitted by: Amy Meyers Hass, Vice President and General Counsel

Approved by the University of Florida Board of Trustees, June 8, 2023

_______________________________  ________________________________
Morteza “Mori” Hosseini, Chair  Ben Sasse, President and Corporate Secretary
NOTICE OF PROPOSED REGULATION AMENDMENT

Date: May 9, 2023

REGULATION TITLE: Tuition Cost
REGULATION NO.: 3.0375

SUMMARY: The proposed regulation amendment reflects an increase in the repeat course surcharge from $189.74 to $204.65, an increase of $14.91, as set by the BOG.

AUTHORITY: BOG Regulation 1.001, 7.001 and 7.003

COMMENTS CONCERNING THE PROPOSED REGULATION AMENDMENT SHOULD BE SUBMITTED WITHIN 14 DAYS OF THE DATE OF THIS NOTICE TO THE CONTACT PERSON IDENTIFIED BELOW. The comments must identify the regulation you are commenting on.

THE PERSON TO BE CONTACTED REGARDING THE PROPOSED REGULATION AMENDMENT IS: Courtney Brown, Legal Assistant II, 123 Tigert Hall, Post Office Box 113125, University of Florida, Gainesville, Florida 32611, 352-392-1358 office, 352-392-4387 facsimile, regulations@ufl.edu.

NAME OF PERSON WHO APPROVED THE PROPOSED REGULATION AMENDMENT: Joseph Glover, Provost and Senior Vice President for Academic Affairs.

THE FULL TEXT OF THE PROPOSED REGULATION AMENDMENT IS ATTACHED TO THIS NOTICE.
3.0375 Tuition Cost.

(1) Tuition Cost shall be defined as tuition and fees assessed to students for enrollment in credit courses at the University of Florida. Tuition Cost consists of the following tuition and fees:

(a) Resident Tuition Cost, comprising the following, shall be defined as the tuition and fees charged an enrolled student who qualifies as a Florida resident as defined in BOG Regulation 7.005 and Section 1009.21 Fla. Stat.:

1. Resident Tuition;
2. Tuition Differential;
3. Student Financial Aid Fee;
4. Capital Improvement Trust Fund Fee;
5. Transportation Access Fee;
6. Health Fee;
7. Athletic Fee;
8. Activity and Service Fee; and
9. Technology Fee.

(b) Non-Resident Tuition Cost, comprising the following, shall be defined as the tuition and fees charged an enrolled student who does not qualify as a Florida resident as defined in BOG Regulation 7.005 and Section 1009.21 Fla. Stat.:

1. Resident Tuition;
2. Tuition Differential;
3. Non-Resident Fee;
4. Student Financial Aid Fee;
5. Non-Resident Student Financial Aid Fee;
6. Capital Improvement Trust Fund Fee;
7. Transportation Access Fee;
8. Health Fee;
9. Athletic Fee;
10. Activity and Service Fee; and
11. Technology Fee.

(2) Enrollment shall be defined as consisting of two components:

(a) Formal registration in one or more credit courses approved and scheduled by the University; and,

(b) Payment of Tuition Costs, or other appropriate arrangements for payment (deferment or third-party billing) for the courses in which the student is registered as of the end of the drop/add period.

(3) A student is liable for Tuition Costs associated with all courses for which the student is registered at the end of the drop/add period. The Tuition Cost payment deadline is 3:30 p.m. Friday of the second week of class.

(4) Except for those Tuition Costs set forth in sections (5) and (6) of this regulation, the following are the Tuition Costs, which, in addition to the student health, athletic, activity and service, and transportation access fees that are set forth in UF Regulation 3.0372, shall be levied and collected for the 2022-2023 academic year:
(a) Undergraduate Courses Charged per Student Credit Hour 2022-2023-2024:

<table>
<thead>
<tr>
<th></th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resident Tuition</td>
<td>$105.07</td>
</tr>
<tr>
<td>Tuition Differential</td>
<td>$44.17</td>
</tr>
<tr>
<td>Capital Improvement Trust Fund</td>
<td>$6.76</td>
</tr>
<tr>
<td>Student Financial Aid</td>
<td>$5.25</td>
</tr>
<tr>
<td>Technology</td>
<td>$5.25</td>
</tr>
<tr>
<td>Non-Resident Fee</td>
<td>$707.21</td>
</tr>
<tr>
<td>Non-Resident Student Financial Aid</td>
<td>$35.36</td>
</tr>
</tbody>
</table>

(b) Notwithstanding the foregoing paragraph (a), an undergraduate resident student may not be charged the Tuition Differential if the student was in attendance at the University before July 1, 2007 and has maintained continuous enrollment at the University, is a beneficiary of a prepaid tuition contract pursuant to Section 1009.98(2)(b), Fla. Stat., which was in effect on July 1, 2007 and which remains in effect, or if the student otherwise meets the criteria set forth for exemption from payment of the tuition differential in Section 1009.24(16)(b), Fla. Stat.

(c) Notwithstanding the foregoing paragraph (a), if an undergraduate student is a beneficiary of a prepaid tuition contract pursuant to Section 1009.98(2)(b), Fla. Stat., purchased prior to July 1, 2024, the undergraduate resident tuition, paid on behalf of the student effective the Fall 2009 semester, will increase above the preceding fiscal year’s assessed amount based on the actuarial reserve determined by the Florida Prepaid by the maximum percent allowed. Effective Fall 2014, the actuarial reserve percent change means that the undergraduate resident tuition amount paid on behalf of such a student will be $105.07 per credit hour. Florida Prepaid will pay on behalf of any such student any other fees that are covered by that student’s prepaid tuition contract.
(d) Graduate Courses Charged per Student Credit Hour 2022-2023-2024:

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resident Tuition</td>
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</tr>
<tr>
<td>Capital Improvement Trust Fund</td>
<td>$6.76</td>
</tr>
<tr>
<td>Student Financial Aid</td>
<td>$22.43</td>
</tr>
<tr>
<td>Technology</td>
<td>$6.56</td>
</tr>
<tr>
<td>Non-Resident Fee</td>
<td>$690.21</td>
</tr>
<tr>
<td>Non-Resident Student Financial Aid</td>
<td>$34.51</td>
</tr>
</tbody>
</table>

(e) College of Law (JD degrees) 2022-2023-2024 (based on student admission date):

<table>
<thead>
<tr>
<th>Item</th>
<th>Prior to Fall 2018 (per credit hour)</th>
<th>Fall 2018 and later (annual charge)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resident Tuition</td>
<td>$652.47</td>
<td>$19,139.12</td>
</tr>
<tr>
<td>Capital Improvement Trust Fund</td>
<td>$6.76</td>
<td>$198.30</td>
</tr>
<tr>
<td>Student Financial Aid</td>
<td>$32.62</td>
<td>$956.86</td>
</tr>
<tr>
<td>Technology</td>
<td>$5.25</td>
<td>$154.00</td>
</tr>
<tr>
<td>Non-Resident Fee</td>
<td>$527.14</td>
<td>$15,462.78</td>
</tr>
<tr>
<td>Non-Resident Student Financial Aid</td>
<td>$26.35</td>
<td>$772.92</td>
</tr>
</tbody>
</table>
(f) College of Law (Environmental and Comparative LL.M. degrees) 2022-2023-

24 (based on student admission date):

<table>
<thead>
<tr>
<th></th>
<th>Prior to Fall 2018 (per credit hour)</th>
<th>Fall 2018 and later (annual charge)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resident Tuition</td>
<td>$652.47</td>
<td>$16,964.22</td>
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<tr>
<td>Capital Improvement Trust Fund</td>
<td>$6.76</td>
<td>$175.76</td>
</tr>
<tr>
<td>Student Financial Aid</td>
<td>$32.62</td>
<td>$848.12</td>
</tr>
<tr>
<td>Technology</td>
<td>$5.25</td>
<td>$136.50</td>
</tr>
<tr>
<td>Non-Resident Fee</td>
<td>$527.14</td>
<td>$13,705.64</td>
</tr>
<tr>
<td>Non-Resident Student Financial Aid</td>
<td>$26.35</td>
<td>$685.10</td>
</tr>
</tbody>
</table>

(g) College of Law (Tax and International Tax LL.M. degrees) 2022-2023-23-

65/489
<table>
<thead>
<tr>
<th>College of Pharmacy (PharmD) Degree Annual Charge 2022-2023-2024:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resident Tuition</td>
</tr>
<tr>
<td>Capital Improvement Trust Fund</td>
</tr>
<tr>
<td>Student Financial Aid</td>
</tr>
<tr>
<td>Technology</td>
</tr>
<tr>
<td>Non-Resident Fee</td>
</tr>
<tr>
<td>Non-Resident Student Financial Aid</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>College of Medicine (MD) Degree Annual Charge 2022-2023-2024:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resident Tuition</td>
</tr>
<tr>
<td>Capital Improvement Trust Fund</td>
</tr>
<tr>
<td>Student Financial Aid</td>
</tr>
<tr>
<td>Technology</td>
</tr>
<tr>
<td>Non-Resident Fee</td>
</tr>
<tr>
<td>Non-Resident Student Financial Aid</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>College of Veterinary Medicine (DVM) Degree Annual Charge 2022-2023-2024:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resident Tuition</td>
</tr>
<tr>
<td>Capital Improvement Trust Fund</td>
</tr>
<tr>
<td>Student Financial Aid</td>
</tr>
<tr>
<td>Technology</td>
</tr>
<tr>
<td>Non-Resident Fee</td>
</tr>
<tr>
<td>Non-Resident Student Financial Aid</td>
</tr>
</tbody>
</table>
(k) College of Dentistry (DMD) Degree Annual Charge 2022-2023-2024:

- Resident Tuition: $37,563.52
- Capital Improvement Trust Fund: $270.40
- Student Financial Aid: $1,878.16
- Technology: $157.50
- Non-Resident Fee: $25,219.78
- Non-Resident Student Financial Aid: $1,260.98

(l) College of Public Health and Health Professions (DPT) Degree Annual Charge 2022-2023-2024:

- Resident Tuition: $19,522.30
- Capital Improvement Trust Fund: $263.64
- Student Financial Aid: $976.10
- Technology: $157.50
- Non-Resident Fee: $8,800.00
- Non-Resident Student Financial Aid: $440.00

(m) College of Public Health and Health Professions (MPH) Degree Annual Charge 2022-2023-2024:

- Resident Tuition: $13,201.82
- Capital Improvement Trust Fund: $162.24
- Student Financial Aid: $660.08
- Technology: $157.50
- Non-Resident Fee: $16,565.24
Non-Resident Student Financial Aid $828.26

(n) College of Public Health and Health Professions (MPH) 42-Hour Accelerated Degree Annual Charge 2022-23\-23\-24:

Resident Tuition $11,551.56
Capital Improvement Trust Fund $141.96
Student Financial Aid $577.56
Technology $157.50
Non-Resident Fee $14,494.56
Non-Resident Student Financial Aid $724.72

(o) College of Medicine Physician’s Assistant Program Courses Charge Per Credit Hour 2022-23\-23\-24:

Resident Tuition $590.87
Capital Improvement Trust Fund $6.76
Student Financial Aid $29.54
Technology $6.56
Non-Resident Fee $793.74
Non-Resident Student Financial Aid $39.68
College of Design, Construction, and Planning Graduate Courses Charge Per Credit Hour 2022-2023-24:

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resident Tuition</td>
<td>$539.49</td>
</tr>
<tr>
<td>Capital Improvement Trust Fund</td>
<td>$6.76</td>
</tr>
<tr>
<td>Student Financial Aid</td>
<td>$26.97</td>
</tr>
<tr>
<td>Technology</td>
<td>$6.56</td>
</tr>
<tr>
<td>Non-Resident Fee</td>
<td>$690.21</td>
</tr>
<tr>
<td>Non-Resident Student Financial Aid</td>
<td>$34.51</td>
</tr>
</tbody>
</table>

Pursuant to Section 1001.7065, Fla. Stat., the University of Florida has established the Preeminent State Research University Institute for Online Learning ("UF Online"). Tuition Costs levied and collected per credit hour for undergraduate students enrolled in this program for the 2022-2023-24 academic year shall be as follows:

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resident Tuition</td>
<td>$78.80</td>
</tr>
<tr>
<td>Tuition Differential</td>
<td>$33.12</td>
</tr>
<tr>
<td>Capital Improvement Trust Fund</td>
<td>$6.76</td>
</tr>
<tr>
<td>Resident Student Financial Aid</td>
<td>$5.25</td>
</tr>
<tr>
<td>Technology</td>
<td>$5.25</td>
</tr>
<tr>
<td>Resident Tuition and Fees per credit hour</td>
<td>$129.18</td>
</tr>
</tbody>
</table>

Non-Resident tuition is set at market rates and is program specific. Tuition and fees may be found at the following link:

https://ufonline.ufl.edu/tuition/
(6) Tuition costs levied and collected for self-funded courses and programs are determined pursuant to BOG Regulation 8.002 and University of Florida Regulation 3.0376. Tuition costs for market rate programs other than UF Online are levied and collected at the rates set forth at [http://www.distance.ufl.edu/market-rate/](http://www.distance.ufl.edu/market-rate/).

(7) Each student enrolled in the same undergraduate course more than twice, shall be assessed the Board of Governors or Florida Statute established surcharge of $189.74 per credit hour in addition to the Tuition Costs outlined above in section (4) or (5), for each such course.

(8) An Excess Hour Surcharge shall be assessed to an undergraduate student for each credit hour in excess of the number of credit hours required to complete the baccalaureate degree program in which the student is enrolled. The University will calculate an excess hour threshold for each student based on the number of credit hours required for the degree. For any student who changes degree programs, the excess hour threshold must be adjusted only if the number of credit hours required to complete the new degree program exceeds that of the original degree program. The University will follow the definitions of required credit hours and other provisions governing the surcharge as set forth in BOG Regulation 7.003. The excess hour surcharge for students who enter a state university for the first time and maintain continuous enrollment is as follows:

(a) For the 2009-10 and 2010-11 academic years, an excess hour surcharge equal to 50 percent of the tuition rate as set forth in section (4) or (5), as applicable, for each credit hour in excess of 120 percent;

(b) For the 2011-12 academic year, an excess hour surcharge equal to 100 percent of the tuition rate as set forth in section (4) or (5), as applicable, for each credit hour in excess of 115 percent;
(c) For the 2012-13 academic year through the 2019 spring term, an excess hour surcharge equal to 100 percent of the tuition rate as set forth in section (4) or (5), as applicable, for each credit hour in excess of 110 percent; and

(d) For the 2019 summer term and thereafter, an excess hour surcharge equal to 100 percent of the tuition rate as set forth in section (4) or (5), as applicable, for each credit hour in excess of 120 percent.

(9) Any person classified as an out-of-state resident who has been appointed as a graduate assistant for at least 0.25 FTE shall be charged resident Tuition Costs. Upon completion of the appointment, such person shall be charged resident Tuition Costs for the remainder of his or her graduate career in any semester in which he or she receives a waiver of all tuition fees or all tuition fees are paid from University funds. If the student loses the waiver or tuition remission under this provision for any semester, he or she shall be liable for Tuition Costs for that semester based on his or her out-of-state residency classification. Any graduate student classified as an out-of-state resident who is receiving a full fellowship may be charged resident Tuition Costs.

(10) The Provost has the authority to designate programs in which Non-Resident Tuition Cost, or any portion thereof, are waived when such waiver is in support of the mission of the University and is consistent with policies specifically approved by the Board of Trustees.

(11) For the 2023 academic year the President or the President’s designee has the authority to waive $2.00 per credit hour of the Capital Improvement Trust Fund fee for graduate students holding appointments as graduate assistants or graduate associates.

Authority: BOG Regulations 1.001, 7.001 and 7.003.
History: New 9-10-02, Amended 9-19-03, 1-11-05, 7-19-05, 11-22-05, 9-8-06, 7-24-07, 1-9-08, 9-5-08 (BOT Approval), 10-3-08 (BOG Approval), 7-9-09 (BOG Approval), 9-11-09 (BOT Approval), 10-27-09 (BOG Approval), 10-8-10 (BOT Approval), 10-19-10 (BOG Approval), 7-5-11 (BOG Approval), 9-6-11 (BOT Approval), 6-8-2012 (BOT Approval), 8-3-2012 (BOG Approval), 7-8-13 (BOG Approval), 9-3-13 (BOT Approval), 12-6-13 (BOT Approval), 1-28-14 (BOG Approval), 6-6-14 (BOT Approval), 7-9-14 (BOG Approval), 6-4-15 (BOT Approval), 6-22-15 (BOG Approval), 6-9-16 (BOT Approval), 7-8-16 (BOG Approval), 6-8-17 (BOT Approval), 6-30-17 (BOG Approval), 6-7-18 (BOT Approval), 6-29-18 (BOG Approval), 9-6-19 (BOT Approval), 9-20-19 (BOG Approval), 8-27-20 (BOT Approval), 9-2-20 (BOG Approval), 6-10-21 (BOT Approval), 06-21-21 (BOG Approval), 06-16-22 (BOT Approval), 06-22-22 (BOG Approval), 6-23-23 (BOT Approval), 6-23-23 (BOG Approval).
SUBJECT: Facility Security Clearance

BACKGROUND INFORMATION
Certain contracts between the University and federal governmental agencies and certain research at the University require a facility clearance rather than obtaining the clearances for individual Trustees and other officers. All Trustees must be listed in the designation.

PROPOSED COMMITTEE ACTION
The Committee on Governance, Government Relations and Internal Affairs is asked to approve Resolution R23-301 confirming that members of the Board of Trustees will not require, will not have, and be effectively and formally excluded from access to all classified information disclosed to the entity, designating a senior managerial group comprising the President and Vice President for Research for that purpose, and listing all Trustees, for recommendation to the Board of Trustees for approval on the Consent Agenda. The Board of Trustees temporarily excludes the President of the University, Dr. Benjamin E. Sasse, from access to classified information possessed at the University. President Sasse will continue to serve in the role of Senior Management Official for the interim, without access, while the University transfers his ability to access classified information entrusted to UF.

ADDITIONAL COMMITTEE CONSIDERATIONS
Board of Governors approval is not required. Upon the appointment of any new Trustees, the Board will need to approve a similar resolution to include them.

Supporting Documentation Included: Resolution R23-301

Submitted by: David Norton, Vice President for Research

Approved by the University of Florida Board of Trustees, June 8, 2023

_____________________________  _________________________________
Morteza “Mori” Hosseini, Chair  Ben Sasse, President and Corporate Secretary
WHEREAS, the University of Florida ("UF", "the University"), a university in the State University System of Florida, desires to enter into contractual obligations with agencies of the United States Government, including contractual obligations requiring security clearance, and

WHEREAS, 32 C.F.R. Part 117, the National Industrial Security Program Operating Manual ("NISPOM Rule"), requires the Key Management Personnel, including UF Board of Trustees Members and Senior Leadership, meet the personnel clearance requirements for a security clearance consistent with the clearance level of the entity, and

WHEREAS, the NISPOM Rule further authorizes exclusion from security clearance requirements for certain members of the Board of Directors and other officers, provided that the entity’s governing board issue a formal action and provide a copy to the Cognizant Security Agency per 32 C.F.R. § 117.7(c)(2), and

WHEREAS, the University of Florida, Board of Trustees designated a Senior Managerial Group for the continued oversight of all Classified Information and programs at the University to include individuals occupying the following positions at the University: The President; and the Vice President for Research. The Board of Trustees temporarily excludes the President of the University, Dr. Benjamin E. Sasse, from access to classified information possessed at the University. President Sasse will continue to serve in the role of Senior Management Official for the interim, without access, while the University transfers his ability to access classified information entrusted to UF, and

NOW THEREFORE, BE IT RESOLVED, the following UF Board Members to be excluded from oversight of the Classified Program at UF:
These UF Board of Trustees members will not require, will not have, and can be effectively and formally excluded from, access to all classified information disclosed to the entity. These individuals do not occupy a position that would enable them to adversely affect the organization's policies or practices in the performance of classified contracts.

This action is affirmed by the University of Florida, Board of Trustees. The exclusion will remain in place for all the above mentioned UF Board of Trustees members until the exclusion is null and void due to a change in status of the Presidents access for the institution, a change in federal regulation or a change in the organization’s policies.

This action is in the form of a resolution to take effect immediately upon its adoption.

Adopted this 8th day of June 2023, by the Board of Trustees of the University of Florida.
COMMITTEE ON ACADEMIC, FACULTY AND STUDENT SUCCESS, PUBLIC RELATIONS AND STRATEGIC COMMUNICATIONS
AGENDA
Thursday, June 8, 2023
~10:10 a.m.
President’s Room 215B, Emerson Alumni Hall
University of Florida, Gainesville, FL

Committee Members:
Rahul Patel (Chair), Richard P. Cole, Olivia E. Green, James W. Heavener, Daniel T. O’Keefe, Danaya C. Wright, Anita G. Zucker

1.0 Call to Order and Welcome .................................................................Rahul Patel, Chair

2.0 Verification of Quorum ........................................................................Vice President Liaison

3.0 Review and Approval of Minutes .......................................................Rahul Patel, Chair
March 16, 2023
May 10, 2023

4.0 Action Items ...................................................................................Rahul Patel, Chair
AFSSPRSC1 Tenure Upon Hire.................................................................Joe Glover, Provost
AFSSPRSC2 Annual Tenure Awards.......................................................Joe Glover
AFSSPRSC3 New Degrees......................................................................Joe Glover
AFSSPRSC4 Degree Program Termination..............................................Joe Glover
AFSSPRSC5 Degree Program Changes..................................................Joe Glover

5.0 Discussion Items ............................................................................Rahul Patel, Chair
5.1 Admissions Update ......................................................................Mary Parker, Vice President for Enrollment
5.2 Faculty Senate Update.................................................................Danaya Wright, Faculty Senate Chair
5.3 Student Body President Update .............................................Olivia Green, Student Body President
5.4 Student Life Update...............................................................Heather White, Vice President for Student Life

6.0 New Business..................................................................................Rahul Patel, Chair

7.0 Adjourn ..........................................................................................Rahul Patel, Chair
1.0 Call to Order and Welcome
Committee Chair Rahul Patel welcomed everyone in attendance and called the meeting to order at 1:16 p.m.

2.0 Verification of Quorum
Provost Glover verified a quorum with all members present.

3.0 Review and Approval of Minutes
Committee Chair Patel asked for a motion to approve the minutes from the December 8, 2022, January 12, 2023 (Mental Health Discussion), February 7, 2023 (Mental Health Discussion), and February 13, 2023 (Committee Pre-Meeting), which was made by Trustee Phalin and seconded.
by Trustee Lemasters. Committee Chair Patel asked for further discussion, after which he asked for all in favor of the motion and any opposed, and the motion was approved unanimously.

4.0 Action Items

AFSSPRSC1 Tenure Upon Hire
Provost Glover indicated that there were six Tenure Upon Hire cases, two of which were from the Herbert Wertheim UF Scripps Institute for Biomedical Innovation & Technology. All Tenure Upon Hire cases have met the criteria for tenure and have been recommended to receive tenure. The cases are as follows:

- Dr. Miles Larmer, Professor, Department of History, College of Liberal Arts and Sciences
- Dr. Joe Garcia, Professor of Inflammation Science, The Herbert Wertheim UF Scripps Institute for Biomedical Innovation & Technology
- Dr. Luiz Pedro Carvalho, Professor, Department of Chemistry, The Herbert Wertheim UF Scripps Institute for Biomedical Innovation & Technology
- Dr. Changying Li, Professor, Department of Agricultural & Biological Engineering, IFAS
- Dr. Andrew Short, Professor and Chair, Department of Entomology and Nematology, IFAS
- Dr. Heng Xu, Professor, Department of Management, Warrington College of Business

Committee Chair Patel asked for any questions or further discussion. He then asked for a motion to approve Committee Action Item AFSSPRSC1 for recommendation to the Board for its approval on the Consent Agenda, which was made by Trustee O’Keefe, and second which was made by Trustee Phalin. Committee Chair Patel asked for further discussion, and then asked for all in favor of the motion and any opposed, and the motion was approved unanimously.

AFSSPRSC2 New Degree: M.S. in Business Analytics
Provost Glover indicated that the Warrington College of Business is proposing a new Master of Science in Business Analytics that will provide analytic computing, business, and communication skills to prepare students to work in various industries. They will learn how to become a crucial translator of functional business needs into analytics processes and analyses. This new degree has been approved by the Curriculum Committee and the Faculty Senate.

Committee Chair Patel asked for any questions or further discussion. He then asked for a motion to approve Committee Action Item AFSSPRSC2 for recommendation to the Board for its approval on the Consent Agenda, which was made by Trustee Phalin, and second which was made by Trustee Lemasters. Committee Chair Patel asked for further discussion, and then asked for all in favor of the motion and any opposed, and the motion was approved unanimously.

AFSSPRSC3 Degree Program Change
Provost Glover indicated that the College of Medicine is requesting to reduce the number of credit hours from 36 to 30 for the Master of Science with a major in Medical Sciences and a concentration in Gerontology. The change will align with the Graduate Council’s minimum degree requirements and will not impact initial enrollment, retention, or graduation. This new degree has been approved by the Curriculum Committee and the Faculty Senate.
Committee Chair Patel asked for any questions or further discussion. He then asked for a motion to approve Committee Action Item AFSSPRSC3 for recommendation to the Board for its approval on the Consent Agenda, which was made by Trustee Lemasters, and second which was made by Trustee O’Keefe. Committee Chair Patel asked for further discussion, and then asked for all in favor of the motion and any opposed, and the motion was approved unanimously.

5.0 Discussion Items

5.1 Admissions Update
Vice President for Enrollment Management and Associate Provost Mary Parker gave an overview of the incoming class for Fall 2027. She handed out admissions packets to each of the Trustees so they could see what each student receives in the mail when they have been admitted to the University of Florida.

Vice President Parker discussed two projects that Enrollment Management has been developing:

- A new software platform called Scholarship Universe will be rolled out to the campus and the colleges to make the process for students applying for scholarships more efficient, reducing the time that colleges and service units spend on processing the scholarships, gaining better data to help leverage the institutional scholarships, and helping meet enrollment goals. The UF Foundation is participating to look at our institutional scholarships and make sure that we are awarding them to meet the needs.

- A new Across-Campus Task Force is looking at alternate credentials (such as workforce skills) to find out what they are, how we define the process for the University of Florida, whether it is for credit or non-credit and how we are displaying these skills/badges/credentials that students are receiving so they can share that information with the employer.

Vice President Parker then shared various statistics about the students from the night the admissions decisions were announced and of the incoming class compared to last year.

5.2 Faculty Senate Update
Faculty Senate Chair and Trustee Amanda Phalin thanked everyone for their support and introduced incoming Faculty Senate Chair, Danaya Wright. She shared some of the work outstanding faculty have been involved in.

She asked that the Board continue to invest in faculty and emphasized that we are here to serve the students and the citizens of the State. As her term ends on the board, she made the following requests:

- Look at changing paid leave for faculty from 8 to 12 weeks.
- Look at increasing contributions for matching retirement.
- Support for additional faculty senate leader.
- She thanked Trustee Zucker for championing Baby Gator so they could increase their enrollment. As we move closer to Phase 3 of the Baby Gator renovation, she asked that
all the Trustees become involved in philanthropy and encourage their friends and colleagues to help as well.

5.3 Student Body President Update
Student Body President and Trustee Lauren Lemasters provided an update about the projects that have progressed since the last meeting.

- She thanked Provost Glover for funding the Marston Science Library operating hours to 24/7 starting after Spring Break.
- Platform Graude will kick off on March 27 to students and alumni and will be called Gator Network. This is a UF exclusive Linked-In platform so students can get help from Alumni streamlined directly from the platform.
- Events Planned for Students
  - Day of Service was held on March 4 with 1300 students volunteering in various volunteer organizations.
  - Senior Send Off happens at the beginning of April at Ben Hill Griffin Stadium. This is a celebration for all graduating students.

Trustee Lemasters stated that while serving on the board she has learned about what true leadership and service is from the Board and about giving back to UF students. She was inspired by the number of women in leadership positions.

5.4 Mental Health Update
Trustee Cole provided an update on mental health. He stated that the safety of the students is our #1 goal and after the pandemic we learned a lot about the mental health challenges that students are facing. He stated that Student Body President and Trustee Lauren Lemasters and Vice President for Student Life Heather White will provide a more in-depth update on Mental Health and what UF is doing to help with these challenges. They both provided a live demonstration of the app – Whole Gator. They reviewed the resources that were used and needed to support mental health at UF. They stated there is no wait time for students in crisis. The entire Whole Gator app was built from the ground up here at UF. Student Body President and Trustee Lemasters thanked UF leadership for making it happen, including CIO Elias Eldayrie, VP Heather White, and CFO Chris Cowen.

5.5 Student Life Update
Vice President for Student Life Heather White provided an update on what the Office for Student Life has been doing to create an excellent student experience in three categories: Community Development, Holistic Wellbeing, and Career Engagement.

She shared a video for everyone to hear what the students are saying about their student experience.

Vice President White asked, “Why are we here?” She stated that we are here to focus on making our students successful while at UF and beyond. She continued the discussion with the different ways that the Office of Student Life is making that experience excellent.
5.6 **Rankings Analysis Update**
Assistant Provost Cathy Lebo provided a rankings analysis update on the different factors that affect the rankings in the U.S. News and World Report and our status.

5.7 **Honors Search Update**
Associate Provost Angela Lindner provided an update on the Honors Search. She shared the list of the members of the search committee and the timeline. She reviewed the application process and noted the committee has decided on 3 finalists for on-campus interviews. They hope to have someone hired who will start in July 2023.

5.8 **Artificial Intelligence Update**
Provost Glover indicated that UF is building an AI University and infusing AI into everything that UF is doing. He discussed the various ways that UF and AI have been in the news and indicated that other universities are reaching out to UF to learn how to bring AI to their universities. Vice President Norton stated that the faculty have been submitting over 1000 AI-related research proposals and have received approximately $70M to date in research funding.

6.0 **New Business**
There was no new business to come before the committee.

7.0 **Adjourn**
There being no further discussion, Committee Chair Patel adjourned the meeting at 3:41 p.m.
Committee on Academic, Faculty and Student Success, Public Relations and Strategic Communications

Pre-Meeting Minutes
Virtual Meeting
May 10, 2023
Time Convened: 9:31 a.m.
Time Adjourned: 9:57 a.m.

Committee and Board members present:
Rahul Patel (Committee Chair), David L. Brandon, Richard P. Cole, Oliva E. Green, James W. Heavener, Morteza “Mori” Hosseini (Board Chair), Daniel T. O’Keefe, Amanda J. Phalin, Patrick O. Zalupski, and Anita G. Zucker.

Others present:
Melissa Curry, Interim Vice President for Human Resources; Joseph Glover, Provost and Senior Vice President for Academic Affairs; Amy Hass, Vice President and General Counsel; Mark Kaplan, Vice President for Government and Community Relations and University Secretary; Maria Martin, Interim Vice President for Advancement; Steve Orlando, Interim Vice President for Strategic Communications and Marketing; Mary Parker, Vice President for Enrollment Management and Associate Provost; Curtis Reynolds, Vice President for Business Affairs; Heather White, Vice President for Student Life; members of the University of Florida community, and the public.

1.0 Call to Order and Welcome
Committee Chair Rahul Patel welcomed everyone in attendance and called the meeting to order at 9:31 a.m. He noted that this was an informational meeting only and that there would be no voting.

2.0 Roll Call
Provost Joe Glover conducted a roll call and Committee members were present.

3.0 Review Draft Agenda for June Meeting
3.1 Review Draft Minutes
Committee Chair Patel noted that we will review and approve the following minutes at the June BOT meeting:
   March 16, 2023
   May 10, 2023

3.2 Review Action Items
AFSSPRSC1 Tenure Upon Hire
Provost Joe Glover indicated there are two Tenure Upon Hire cases at this time, but there will be additional cases prior to the June meeting, specifically from the Hamilton Center.

- Dr. Changcheng Song, Associate Professor, Department of Finance, Insurance and Real Estate, Warrington College of Business
- Dr. Jane Bambauer, Professor, Department of Journalism, College of Journalism and Communications

**AFSSPRSC2 Annual Tenure Awards**
Provost Glover reviewed the Annual Tenure Awards process. He indicated that President Sasse will be reviewing the recommendations for the tenure and promotion cases. The Board only ratifies the approved awards brought forward.

**AFSSPRSC3 New Degrees**
Provost Glover indicated that there were three new degree proposals from various colleges as follows:

- The proposed Master of Science in Urban Analytics in the College of Design, Construction and Planning will focus on the implementation of new data science techniques, such as data mining, machine learning and other AI approaches, on urban data by introducing a systems perspective to better understand cities and their planning and design procedures.
- The proposed Master of Science in Artificial Intelligence Systems in the Herbert Wertheim College of Engineering will provide students with a working knowledge of techniques and software commonly used in Artificial Intelligence Systems. This degree is designed for students with strong analytical and computing backgrounds.
- The proposed Master of Science in Genetics and Genomics in the Colleges of Agriculture and Life Sciences, Liberal Arts and Sciences and Medicine will prepare students for an immediate job as a Genetic Counselor, Biological Science Teacher (Postsecondary), Biological Technician or Biological Scientist. This degree will increase the student’s competitiveness for medical school or continuance to the Ph.D. in Genetics and Genomics or a related field.

Trustee Amanda Phalin requested the two new undergraduate degrees approved by the Faculty Senate on May 4 be added to this list: 1. B.S. in Meteorology and 2. B.S. in Music Business and Entrepreneurship. Provost Glover indicated those two new degrees will be effective Fall 2024 and will not be presented to the Board at this time.

**AFSSPRSC4 Degree Program Termination**
Provost Glover indicated that the College of the Arts is requesting to terminate the Bachelor of Arts in Art Education. This program was replaced with a certificate that will fulfill the needs of the students wishing to teach art in the K-12 setting.

**AFSSPRSC5 Degree Program Changes**
The College of Journalism and Communications is requesting to reduce the number of credit hours from 124 to 120 for the following degrees:

- B.S. in Media Production, Management and Technology Specializations: Digital Film and Television Production
Management and Strategy
Media and Society
• B.S. in Journalism and Sports Media
• B.S. in Advertising Specializations:
  Persuasive Messaging
  Agency
• B.S. in Public Relations

The Accrediting Council on Education in Journalism and Mass Communications rescinded the stipulation on the number of credit hours that students needed to take outside the college and the extra four hours is no longer necessary due to the students being allowed to take over 50 credit hours within the college.

3.3 Review Discussion Items
Admissions Update
Vice President for Enrollment Management and Associate Provost, Mary Parker will provide an overview of the enrollment numbers for the incoming class. She indicated that overall, the class looks good.

Faculty Senate Update
Trustee Amanda Phalin indicated that incoming Faculty Senate Chair Danaya Wright will provide the update at the June meeting, as her term ends at the end of May.

Student Body President Update
Trustee Olivia Green indicated that she will discuss the priorities for her time in office at the June meeting as follows: Community Engagement, Diversity, Equity, and Inclusion (DEI), and Gator Needs.

Student Life Update
Vice President for Student Life Heather White indicated she will provide an update at the June meeting on the Disability Resource Center, news about facilities, and new initiatives due to recent money that the legislature has appropriated.

3.3.5 New Centers/Institutes
Provost Glover stated that there are three new Centers/Institutes as follows:
• Name Change: Jacksonville Aging Studies Center to Institute for Population Health (College of Medicine-JAX)
• New Center: Center for Advanced Spatial Biomolecule Research (CASBR) (College of Medicine)
• New Center: Florida Semiconductor Institute (FSI) (Herbert Wertheim College of Engineering)

3.3.6 Degree Name Changes
Provost Glover shared three Degree Name changes, including:
• Ph.D. in Soil and Water Sciences to Ph.D. in Soil, Water, and Ecosystem Sciences
• M.S. in Soil and Water Sciences to M.S. in Soil, Water, and Ecosystem Sciences
• B.S. in Soil and Water Sciences to B.S. in Soil, Water, and Ecosystem Sciences

4.0 New Business

Provost Glover noted changes with the U.S. News and World Report ranking methods. Committee Chair Patel indicated the committee will be looking into two initiatives this year: 1. metrics, including those included in the accountability plan submitted to the Board of Governors and 2. a taskforce that will look into professional testing to help prepare students for success. Provost Glover noted there is a new Interim Dean for College of Law, Merritt McAlister, and that she is aware of what needs to be done with the rankings and with bar passage rates.

Committee Chair Patel indicated the Deans of the Colleges have presented their goals to increase college rankings at Board meetings. He will follow-up with the colleges and professional schools for an update.

5.0 Adjourn
There being no further discussion, the meeting was adjourned at 9:57 a.m.
SUBJECT: Tenure Upon Hire

BACKGROUND INFORMATION
The Chairs and Deans have recommended to the Provost and Senior Vice President for Academic Affairs that 14 newly appointed faculty members be granted tenure commencing with their appointment. These individuals meet the criteria set forth in the University’s tenure and permanent status policy and have been recommended by the Provost to receive tenure. Attached is a summary of the Tenure Upon Hire cases.

PROPOSED COMMITTEE ACTION
The Committee on Academic, Faculty and Student Success, Public Relations and Strategic Communications is asked to approve the Tenure Upon Hire cases listed on the attached Summary for recommendation to the Board of Trustees for its approval on the Consent Agenda. While any administrative appointment is noted, tenure is granted only for the faculty appointments.

ADDITIONAL COMMITTEE CONSIDERATIONS
Board of Governors approval is not required.

Supporting Documentation Included: Tenure Upon Hire summary

Submitted by: Joseph Glover, Provost and Senior Vice President for Academic Affairs

Approved by the University of Florida Board of Trustees, June 8, 2023

_________________________  ______________________________________
Morteza “Mori” Hosseini, Chair                  Ben Sasse, President and Corporate Secretary
Dr. Changcheng Song – Warrington College of Business
Associate Professor, Department of Finance, Insurance and Real Estate
Dr. Changcheng Song earned his B.S. in Economics and Management from Tsinghua University in 2006 and his Ph.D. in Economics from the University of California Berkeley in 2012. His prior institution is the Singapore Management University. He has published 9 papers and has 620 Google Scholar citations. Dr. Song publishes regularly in the most premier journals and has an established record of securing and managing competitive grants.

Dr. Jane Bambauer – College of Journalism and Communications (joint appointment with Levin College of Law)
Professor, Department of Journalism
Dr. Jane Bambauer earned her B.S. in Mathematics (with distinction) from Yale University in 2002 and her J.D. from Yale Law School in 2006. Her prior institution is the University of Arizona James E. Rogers College of Law. Dr. Bambauer has produced 17 articles, one book and 28 essay/chapters/technical papers/otherworks. She has more than 20 scholarly publications appearing in prestigious outlets and her work has been featured in the Washington Post, The New York Times, Fox News and Lawfare.

Dr. Volker Sorger – Herbert Wertheim College of Engineering
Professor, Department of Electrical and Computer Engineering
Dr. Volker Sorger earned his M.S. in Physics from the University of Texas-Austin in 2005, a Certificate in the Management of Technology from the Haas Business School in 2011 and his Ph.D. in Mechanical and Aerospace Engineering with a minor in Electrical and Computer Engineering from the University of California-Berkeley in 2011. His prior institution is George Washington University. Dr. Sorger is a highly accomplished researcher and scholar. He has published over 400 peer-reviewed articles in high impact journals. He has invented and filed over 20 US patents and licensed several to major electronics manufacturer and start-up backed adventures. Dr. Sorger has secured a total of $30M in grants and contracts from multiple agencies including NSF, Office of Naval Research, DoD, Air Force Office of Scientific Research, Army Research Office, NASA and Semiconductor Research Corporation.
Dr. Jeffrey Collins – Hamilton Center for Classical and Civic Education
Professor
Dr. Jeffrey Collins earned his B.A. in History from Middlebury College in 1992, his M.A. and Ph.D. in History from Harvard University in 1999. His prior institution is Queen’s University. Dr. Collins has published two monographs (Cambridge University Press and Oxford University Press) as well as numerous articles, book chapters and reviews. He won the 2021 Morris Forkosch Prize of the American Historical Association for the best book in the history of Britain, the British Empire and Commonwealth, post-1485.

Dr. Karl Gunther – Hamilton Center for Classical and Civic Education
Associate Professor
Dr. Karl Gunther earned his B.A. in Philosophy and History from Wheaton College in 2001, his M.A. in History from Northwestern University in 2002 and his Ph.D. in History from Northwestern University in 2007. His prior institution is the University of Miami. Dr. Gunther has published one monograph with Cambridge University Press as well as numerous articles, book chapters and reviews. His monograph was a finalist for the Royal Historical Society’s Whitfield Prize. Dr. Gunther is an elected Fellow of the Royal Historical Society.

Dr. David McPherson – Hamilton Center for Classical and Civic Education
Professor
Dr. David McPherson earned his B.A. in Philosophy from Bethel University in 2005, his M.A. in Philosophy from Marquette University in 2011 and his Ph.D. in Philosophy from Marquette University in 2013. His prior institution is Creighton University. Dr. McPherson has published two monographs (Cambridge University Press and Oxford University Press), has edited a book with Cambridge University Press and has authored numerous articles, book chapters and reviews.

Dr. Ana Siljak – Hamilton Center for Classical and Civic Education
Associate Professor
Dr. Ana Siljak earned her A.B. in Political Science from Stanford University in 1990 and her Ph.D. in History from Harvard University in 1997. Her prior University is Queen’s University. Dr. Siljak has authored one monograph, edited or co-edited three books, and authored ten articles, book chapters or reviews. One of her books was a finalist for the Charles Taylor Prize for literary nonfiction.

Mr. Derek Bambauer – Levin College of Law
Professor of Law
Mr. Derek Bambauer earned his B.A. in History and Science from Harvard College in 1996 and his J.D. from Harvard Law School in 2004. His prior institution is the University of Arizona. Mr. Bambauer is one of the nation’s most cited legal scholars and will become the third most highly cited scholar on the Levin College of Law faculty. His scholarship has appeared in numerous law reviews, has co-authored a full-length book and has received a $748,328 grant from the NSF to fund his research project entitled \textit{DASS: A Framework for Accountable Smart Contract Wills}. 
Mr. Christopher Bradley – Levin College of Law  
Professor of Law  
Mr. Christopher Bradley earned his A.B. in Classics from Princeton University in 2001, his M.Phil. in Medieval English in 2003 and his D.Phil. in Medieval English in 2008 from the University of Oxford, Balliol College and his J.D. (2007) and LL.M. in International Legal Studies (2008) from New York University School of Law. His prior institution is the University of Kentucky Rosenberg College of Law. Mr. Bradley has published articles in top law reviews, co-authored of a leading casebook and lead co-author of a widely used practitioner’s manual.

Mr. Julian Cook, III – Levin College of Law  
Professor of Law  
Mr. Julian Cook earned his B.A. in Public Policy from Duke University, his M.A. in Public Administration from Columbia University and his J.D. from the University of Virginia School of Law. His prior institution is the University of Georgia School of Law. Mr. Cook has published articles in top law reviews and is a co-author of a leading evidence casebook.

Dr. Elizabeth Katz – Levin College of Law  
Professor of Law  
Dr. Elizabeth Katz earned her B.S in History and Studies in Women and Gender in 2006 from the University of Virginia, her J.D. (2009) and M.A. in History (2009) from the University of Virginia, her M.A. in History (2015) and Ph.D. in History (2019) from Harvard University. Her prior institution is the Washington University School of Law. Dr. Katz has published articles two articles in top five law reviews and has published other articles in specialty law reviews. She has won several national awards for her publication record.

Dr. Zachary Kaufman – Levin College of Law  
Professor of Law  
Dr. Zachary Kaufman earned his B.A. in Political Science in 200 from Yale University, his J.D. in 2009 from Yale Law School, his M.Phil. in International Relations (2004) and D.Phil. (2012) from the University of Oxford. His prior institution is the University of Houston Law Center. Dr. Kaufman has published articles in top law reviews, has published a full-length scholarly book in 2016 and has another one that will be published this year.

Mr. Tracey Maclin – Levin College of Law  
Professor of Law  
Mr. Tracey Maclin earned his B.A. in Political Science in 1980 from Tufts University and his J.D. in 1983 from Columbia University School of Law. His prior institution is the Boston University School of Law. Mr. Maclin is a nationally recognized expert in Constitutional Criminal Procedure, Constitutional Law and the U.S. Supreme Court. He has published in several law reviews and has written over a dozen amicus curiae briefs and served as counsel of record for the American Civil Liberties Union, the National Association of Criminal Defense Lawyers and the Cato Institute in many Forth Amendment cases before the U.S. Supreme Court.
Dr. Xin Wang – Institute of Food and Agricultural Sciences
Associate Professor, Department of Microbiology and Cell Science
Dr. Xin Wang earned his B.S. in Biology in 2005 from Xiamen University (China), his M.S. in Marine Biology in 2008 from the Third Institute of Oceanography (China) and his Ph.D. in Microbiology in 2013 from the University of Hawaii at Manoa. His prior institution is Miami University. He is the PI on a grant from NSF for over $890,000 and has been a co-PI on grants from NSF for over $1M. Dr. Wang has numerous publications, several book chapters and has been invited to speak at numerous conferences.
SUBJECT: Annual Tenure Awards

BACKGROUND INFORMATION
The Board of Trustees has the authority to award tenure and permanent status. Provost Glover has recommended the award of tenure and permanent status to certain faculty meeting the requirements of the University’s tenure and permanent status policy. A summary of highlights on each Faculty member recommended for tenure and permanent status is attached.

PROPOSED COMMITTEE ACTION
The Committee on Academic, Faculty and Student Success, Public Relations and Strategic Communications is asked to approve the Annual Tenure Awards to faculty recommended by the Provost as reflected in the attached summary for recommendation to the Board of Trustees for approval on the Consent Agenda.

ADDITIONAL COMMITTEE CONSIDERATIONS
Board of Governors approval is not required.

Supporting Documentation Included: Tenure and Permanent Status Annual Report

Submitted by: Joseph Glover, Provost and Senior Vice President for Academic Affairs

Approved by the University of Florida Board of Trustees, June 8, 2023

Morteza “Mori” Hosseini, Chair

Ben Sasse, President and Corporate Secretary
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SUBJECT: New Degrees

BACKGROUND INFORMATION
The proposed Master of Science in Urban Analytics in the College of Design, Construction and Planning (CIP 11.0401) will focus on the implementation of new data science techniques, such as data mining, machine learning and other AI approaches, on urban data by introducing a systems perspective to better understand cities and their planning and design procedures. The Master of Science in Urban Analytics was approved by the Curriculum Committee and then by the Faculty Senate at their January 19, 2023, meeting.

The proposed Master of Science in Artificial Intelligence Systems in the Herbert Wertheim College of Engineering (CIP 11.0102) will provide students with a working knowledge of techniques and software commonly used in Artificial Intelligence Systems. This degree is designed for students with strong analytical and computing backgrounds. The Master of Science in Artificial Intelligence Systems was approved by the Curriculum Committee and then by the Faculty Senate at their February 16, 2023, meeting.

The proposed Master of Science in Genetics and Genomics in the colleges of Agriculture and Life Sciences, Liberal Arts and Sciences and Medicine (CIP 26.0801) will prepare students for an immediate job as a Genetic Counselor, Biological Science Teacher (Postsecondary), Biological Technician or Biological Scientist. This degree will increase the student’s competitiveness for medical school or continuance to the Ph.D. in Genetics and Genomics or a related field. The Master of Science in Genetics and Genomics was approved by the Curriculum Committee and then by the Faculty Senate at their May 4, 2023, meeting.

PROPOSED COMMITTEE ACTION
The Committee on Academic, Faculty and Student Success, Public Relations and Strategic Communications is asked to approve the New Degrees listed above for recommendation to the Board of Trustees for approval on the Consent Agenda.

ADDITIONAL COMMITTEE CONSIDERATIONS
Board of Governors approval is required.
Supporting Documentation Included: New Degrees for Master of Science in Urban Analytics, Master of Science in Artificial Intelligence Systems and Master of Science in Genetics and Genomics request forms

Submitted by: Joseph Glover, Provost and Senior Vice President for Academic Affairs

Approved by the University of Florida Board of Trustees, June 8, 2023

__________________________________________  _______________________________________
Morteza “Mori” Hosseini, Chair                Ben Sasse, President and Corporate Secretary
Board of Governors, State University System of Florida
REQUEST TO OFFER A NEW DEGREE PROGRAM
In Accordance with BOG Regulation 8.011
(Please do not revise this proposal format without prior approval from Board staff)

University of Florida
Institution Submitting Proposal

Design, Construction and Planning
Name of College(s) or School(s)

Urban and Regional Planning
Academic Specialty or Field

11.0401
Proposed CIP Code (2020 CIP)

Fall 2023
Proposed Implementation Term

Urban and Regional Planning
Name of Department(s)/Division(s)

Master of Science (M.S.) with a major in Urban Analytics
Complete Name of Degree

The submission of this proposal constitutes a commitment by the university that, if the proposal is approved, the necessary financial resources and the criteria for establishing new programs have been met prior to the initiation of the program.

Date Approved by the University Board of Trustees

President’s Signature
Date

Board of Trustees Chair’s Signature
Date

Provost’s Signature
Date

4/21/2023 | 11:15 AM EDT

PROJECTED ENROLLMENTS AND PROGRAM COSTS

Provide headcount (HC) and full-time equivalent (FTE) student estimates for Years 1 through 5. HC and FTE estimates should be identical to those in Appendix A – Table 1. Indicate the program costs for the first and the fifth years of implementation as shown in the appropriate columns in Appendix A – Table 3A or 3B. Calculate an Educational and General (E&G) cost per FTE for Years 1 and 5 by dividing total E&G by FTE.

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<th>Implementation Timeframe</th>
<th>HC</th>
<th>FTE</th>
<th>E&amp;G Cost per FTE</th>
<th>E&amp;G Funds</th>
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Revised 12-8-21
Additional Required Signatures

I confirm that I have reviewed and approved Need and Demand Section III.F. of this proposal.

Signature of Equal Opportunity Officer  Date

08/08/2022

I confirm that I have reviewed and approved Non-Faculty Resources Section VIII.A. and VIII.B. of this proposal.

Signature of Library Dean/Director  Date

08/12/2022
Introduction

I. Program Description and Relationship to System-Level Goals

A. Describe within a few paragraphs the proposed program under consideration, and its overall purpose, including:
   • degree level(s)
   • majors, concentrations, tracks, specializations, or areas of emphasis
   • total number of credit hours
   • possible career outcomes for each major (provide additional details on meeting workforce need in Section III)

As the world becomes more urban, large and unprecedented quantities of data are being generated by humans about the built environment. Urban data are pervasive, and computing is ubiquitous, creating a great opportunity for reinvigorating and revamping the traditional urban planning field. According to the National Science Foundation, "Knowledge of computer science and computer programming is becoming a necessary skill... in marketing, advertising, journalism, and the creative arts." Integrating computer technologies into the analysis of urban spaces and regions and harnessing big data to do so is becoming an increasingly important aspect of policymaking. This degree complements geospatial training for policy-making that already occurs in our department. Smart cities and similar initiatives require advanced and specialized technical training informed by urban and regional planning’s public interest mission and advanced computing expertise.

Both the pervasiveness of sensor technology and the growth of information and communication technology like 5G produce large quantities of data. Making sense of this data requires computer and data science skills. Technologies that are already highly concentrated in the built environment include, but are not limited to, connected and automated vehicles (CAV), vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) technologies, embedded environmental sensors, distributed intelligence and control in infrastructure, the sharing economy, and social networks. To understand and take advantage of these vast amounts of new data, the traditional data analysis methods in the built environment disciplines are insufficient and thus require advanced data analysis skills for large data such as machine learning and deep learning deployed in Artificial Intelligence (AI). Jobs in this field include working for the public sector (cities and counties, regional governments, departments of transportation) and private sector entities capturing and analyzing this data to determine everything from new school siting, anticipating new growth and development, climate change impacts, responses to disasters, and automating and redesigning spaces for new types of infrastructure.

This proposal offers a new interdisciplinary Master of Science with a major in Urban Analytics degree program in the Department of Urban and Regional Planning that is supported by the Department of Computer and Information Science and Engineering (CISE) and the Department of Electric and Computer Engineering (ECE) at the University of Florida. This new degree program will focus on the implementation of new data science techniques, such as data mining, machine learning, and other AI approaches, on urban data by introducing a systems perspective to better understand cities and their planning and design procedures. In the proposed program, a total of 36 credits are required: 15 credits in the major from the Department of Urban and Regional Planning (URP), 15 credits from the Departments of CISE or ECE, and 6 credits of thesis or master’s research project that focuses on using Data Science and AI technologies to address urban issues.
According to U.S. News & World Report, students equipped with a combination of strong technology acumen, solid creative and interpersonal skills, and sufficient knowledge in a professional domain are in great demand by different employers. Government agencies and industries increasingly seek graduates who understand urban problems and have urban analytics skills. Top universities such as MIT’s Urban Science program, Georgia Tech’s Master of Urban Analytics program, University of Pennsylvania’s Master of Urban Spatial Analytics program, and University of Illinois’ CS+X program are currently offering urban analytics and data science programs under the urban studies domain in this emerging interdisciplinary field.

In Florida, Florida Atlantic University has a similar program in Data Science and Analytics (CIP 30.0601) that is “a multi-college interdisciplinary program, jointly administered by the Charles E. Schmidt College of Science, the College of Engineering & Computer Sciences, the College of Business, and the Dorothy F. Schmidt College of Arts & Letters.” This degree offers four concentrations: data science in society, data science in business, data science and engineering, and data science via scientific inquiry, which complement this degree proposal. This proposed Urban Analytics program would focus on the intersection of urban planning and data analytics, and data science, which distinguishes it from FAU’s Data Science and Analytics program with its emphasis on applications that reinforce the public interest with a focus on urban place-making.

As specified in section II.B below, UF has a unique position of strength to offer such an interdisciplinary degree at a graduate level that integrates the strengths in artificial intelligence and computer science and engineering program in the CISE and ECE departments with the urban planning program in the URP department. Students who graduate from this program will contribute to Florida’s increasing demand for a STEM workforce.

B. If the proposed program qualifies as a Program of Strategic Emphasis, as described in the Florida Board of Governors 2025 System Strategic Plan, please indicate the category.

- **Critical Workforce**
  - □ Education
  - □ Health
  - □ Gap Analysis

- **Economic Development**
  - □ Global Competitiveness
  - ☒ Science, Technology, Engineering, and Math (STEM)

□ Does not qualify as a Program of Strategic Emphasis.
II. Strategic Plan Alignment, Projected Benefits, and Institutional Mission and Strength

A. Describe how the proposed program directly or indirectly supports the following:
   - System strategic planning goals (see the link to the 2025 System Strategic Plan on the New Program Proposals & Resources webpage)
   - the institution's mission
   - the institution's strategic plan

The proposed M.S. with a major in Urban Analytics program is consistent with the Board of Governors’ strategic vision and goals for the SUS 2025 System Strategic Plan: Excellence, Productivity, and Strategic Priorities for a Knowledge Economy. It will help to meet Florida's highest economic, workforce, and research needs.

The M.S. program meets the goals in the Teaching and Learning category by enhancing the relevance of the academic training it provides. It also adds to the pool of STEM degrees offered and awarded within the SUS.

In terms of Scholarship, Research, and Innovation, the proposed program will enhance opportunities for collaboration for external research funding between URP faculty and faculty in Computer and Information Science and Electronic Engineering. It can also foster research collaboration with private industry, Community, and Business Engagement goals.

Indirectly, the new program has the potential to attract a different and more analytically oriented cohort of students (Teaching and Learning) who have not historically been attracted to the current Master of Urban and Regional Planning.

B. Describe how the proposed program specifically relates to existing institutional strengths. This can include:
   - existing related academic programs
   - existing programs of strategic emphasis
   - institutes and centers
   - other strengths of the institution

The University of Florida has put artificial intelligence (AI) as the focal point in its once-per-decade re-accreditation process for the next decade and has launched, among many AI initiatives, Artificial Intelligence Academic Initiative Center, dubbed (AI)² to promote AI and data science and integrate AI across the curriculum. The proposed MS in Urban Analytics is consistent with and is a concrete implementation of UF’s strategic direction.

The UF CISE and ECE departments have excellent computer science graduate programs, and the UF URP department is a top urban planning program and is known for its innovations in planning technology, theories, and applications. Planning focuses on the public interest issues of equity and social justice that are essential in deploying these powerful technical tools in informing policy decisions that impact the physical, social, and economic city.

Furthermore, the Geoplan Center at the URP department has a national reputation in geographic information system (GIS) research and has a large digital data library of different GIS data in its Florida geographic digital library that provide students opportunities to work with big Florida data in their study and thesis.

Revised 12-8-21
In summary, the interdisciplinary M.S. in Urban Analytics program is very well aligned with UF's strategic investment in AI, combines technical strengths in UF's data science and AI within urban planning and design context, and offers students a unique opportunity to enhance their education experience at UF. Graduates of the program could work next to urban planners in local governments and consulting firms to inform decision-making on a variety of complex urban issues, such as the equity and effective delivery of urban services, including public transit and waste collection, and health and safety improvements in the city (e.g., the redesign of intersections to improve pedestrian safety and locations of parks).

Furthermore, the new program can also enhance the faculty collaborations in research in this new and rapidly developing fields like Smart Cities by building intellectual cooperation among existing faculties in URP, ECE, and CISE. The National Science Foundation (NSF), particularly in its Smart and Connected Communities program, offers funding opportunities for collaborative research in the intersection of urban planning, big data, and AI topics.

C. Provide the date the pre-proposal was presented to the Council of Academic Vice Presidents Academic Program Coordination (CAVP ACG). Specify whether any concerns were raised, and, if so, provide a narrative explaining how each concern has been or will be addressed.

The pre-proposal for M.S. in Urban Analytics program was presented to CAVP ACG on September 24, 2020. No concerns were raised.

D. In the table below, provide a detailed overview and narrative of the institutional planning and approval process leading up to the submission of this proposal to the Board office. Include a chronology of all activities, providing the names and positions of both university personnel and external individuals who participated in these activities.

- If the proposed program is a bachelor's level, provide the date the program was entered into the APPRISe system, and, if applicable, provide narrative responding to any comments received from APPRISe.
- If the proposed program is a doctoral-level program, provide the date(s) of the external consultant's review in the planning table. Include the external consultant’s report and the institution’s responses to the report as Appendix B.

Planning Process

This process began with a desire to create a new M.S. with a major in Urban Analytics by taking advantage of the synergies between the curricula in Urban and Regional Planning (URP), Computer and Information Science and Engineering (CISE), and Electric and Computer Engineering (ECE). Faculty from Urban and Regional Planning, with support from the department chairs in CISE and ECE, contributed to the development of the proposal, and it went through review and approval at the departmental, school, and college levels. The following is the planning process in table form.
## Planning Process

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<th>Planning Activity</th>
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<td>April 2019</td>
<td>URP faculty</td>
<td>Inspired by MIT’s new Urban Science program, the URP faculty in its faculty meeting developed an idea to create a MS in Urban Analytics program, and formed an Ad Hoc Committee to explore the feasibility of doing so.</td>
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<td>May 2019</td>
<td>Z.-R. Peng, E. Tepe, I. Bejleri, Y. Wang, R. Steiner</td>
<td>The first Ad Hoc Committee meeting</td>
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<td>Sept. 25, 2019</td>
<td>Z.R. Peng and John Harris</td>
<td>Dr. Peng met with ECE Department Chair, Dr. John Harris, to discuss collaboration and course arrangements.</td>
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<td>Oct. 9, 2019</td>
<td>Z.-R. Peng and Juan Gilbert</td>
<td>Dr. Peng met with CISE department Chair Dr. Juan Gilbert, discussing collaboration and course arrangement.</td>
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<td>Oct. 18, 2019</td>
<td>Z.-R. Peng, E. Tepe, I. Bejleri, Y. Wang, R. Steiner</td>
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<td>Nov. 2019</td>
<td>URP faculty</td>
<td>The Ad Hoc committee presented the pre-proposal at the URP faculty meeting for discussion.</td>
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<td>URP faculty</td>
<td>The Ad Hoc committee presented the pre-proposal to URP faculty which voted in favor of the proposed degree.</td>
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<td>February 2020</td>
<td>K. Larsen; DCP Dean Chimay Anumba</td>
<td>Dr. Larsen forwarded the approved pre-proposal to Dr. Anumba for review and approval and then forwarded the package to Assistant Provost Dr. Cheryl Gater in the Provost’s Office.</td>
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<td>March. 2020</td>
<td>Z. Peng, John Harris and Juan Gilbert</td>
<td>Dr. Peng met with Drs. Harris and Gilbert and discussed the pre-proposal. They approved the pre-proposal and provided a letter of commitment for opening their courses to our MS students.</td>
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<td>April 2020</td>
<td>Z. Peng, K. Larsen</td>
<td>Dr. Peng submitted the revised pre-proposal package to Dr. Larsen who submitted to UF Provost’s Office.</td>
</tr>
<tr>
<td>Sep. 2020</td>
<td></td>
<td>Pre-proposal was approved by CAVP (Council of Academic Vice Presidents)</td>
</tr>
<tr>
<td>Mar. 2021</td>
<td>URP faculty</td>
<td>Full proposal was submitted to the URP faculty for their review.</td>
</tr>
</tbody>
</table>

E. Provide a timetable of key events necessary for the implementation of the proposed program following approval of the program by the Board office or the Board of Governors, as appropriate, and the program has been added to the State University System Academic Degree Program Inventory.
Events Leading to Implementation

<table>
<thead>
<tr>
<th>Date</th>
<th>Implementation Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring 2019</td>
<td>The URP faculty in its faculty meeting developed an idea to create a MS in Urban Analytics program and formed an Ad Hoc Committee to explore the feasibility.</td>
</tr>
<tr>
<td>Jan. 2020</td>
<td>URP faculty voted in favor of the proposed degree.</td>
</tr>
<tr>
<td>April 2020</td>
<td>Provost’s Office approved the pre-proposal</td>
</tr>
<tr>
<td>Sep. 2020</td>
<td>pre-proposal was approved by CAVP (Council of Academic Vice Presidents)</td>
</tr>
<tr>
<td>April 6 2021</td>
<td>URP faculty approved the full proposal</td>
</tr>
<tr>
<td>Fall 2022</td>
<td>Internal review leading to UF BOT approval</td>
</tr>
</tbody>
</table>

Institutional and State Level Accountability

III. Need and Demand

A. Describe the workforce need for the proposed program. The response should, at a minimum, include the following:

- current state workforce data as provided by Florida’s Department of Economic Opportunity
- current national workforce data as provided by the U.S. Department of Labor’s Bureau of Labor Statistics
- requests for the proposed program from agencies or industries in your service area
- any specific needs for research and service that the program would fulfill

Nationally and within the State of Florida, there is a great demand for graduates with advanced skills in urban analytics, AI, and information systems. For example, the U.S. Bureau of Labor Statistics (BLS) 2019–29 employment projections show that occupations in the STEM field are expected to grow 8.0 percent by 2029, compared with 3.7 percent for all occupations. Among the STEM field, Computer and Information systems field will grow 15.4% by 2029. Based on the latest Florida’s Regional Demand Occupations list from the Department of Economic Opportunity, the annual growth rate for computer and information systems managers is 1.84%, for management analysts is 1.88%.

We often received phone calls from Florida government agencies, consulting firms, and other employers asking for urban planning graduates with strong AI and urban analytical skills. They need graduates who have urban planning background and strong AI and analytical skills and who can make sense of the big data. As illustrated in the letter from Alta Planning & Design (in Appendix D), “Many organizations across the public and private sectors are undergoing digital transformations at an accelerating pace... There is great demand for urban & regional planning students who also have skills in data science, coding, and GIS.” All planning and design firms face similar situations and have similar demands.
B. Provide and describe data that support student demand for the proposed program. Include questions asked, results, and other communications with prospective students.

We have so far received inquiries from 17 students about the Urban Analytics program before we even announced it. Students knew this through informal discussions with faculty that we are working on developing this program. The questions included the starting time, the basic requirements, the courses offered in the Department of Urban and Regional Planning, the Department of Computer and Information Science and Engineering, course prerequisites, course schedules, course delivery methods (in-person or online), and the cost and time requirements of the program.

We anticipate seeing many students applying for our proposal program once it is formally launched and announced.

C. Complete Appendix A – Table 1 (1-A for undergraduate and 1-B for graduate) with projected student headcount (HC) and full-time equivalents (FTE).
   - Undergraduate FTE must be calculated based on 30 credit hours per year
   - Graduate FTE must be calculated based on 24 credit hours per year

In the space below, provide an explanation for the enrollment projections. If students within the institution are expected to change academic programs to enroll in the proposed program, describe the anticipated enrollment shifts and impact on enrollment in other programs.

See Table 1-B for graduate student headcount (HC). No students within either Landscape Architecture or Urban and Regional Planning are expected to change majors to enter the program. It is not anticipated that graduate students from other programs will change majors to enter the program – the intent is to attract exceptional new students from all around the world that want to learn urban analytics. Based on the enrollment information from other similar programs, it is reasonable to project an enrollment of 5 students for the first year with an increase to 20 students by the fifth year.

D. Describe the anticipated benefit of the proposed program to the university, local community, and the state. Benefits of the program should be described both quantitatively and qualitatively.

The University of Florida must be able to respond to the various needs of its students, to evolving disciplines, and to new directions in technology and science. It is clear from national and state agendas that new knowledge and applied technologies are considered critical for continued advancement of society and for protecting the health, safety, welfare, and prosperity of our citizens. The proposed M.S. with a major in Urban Analytics program will help achieve this goal.

This new degree program will help the Department of Urban and Regional Planning retain its position among its peer institutions for education and research excellence, and as a leader in the use of technology and data science in advancing urban and regional planning research and practice. It will also help attract the best students, enhance faculty scholarship and productivity, achieve research excellence, and obtain external funding.

This will heighten the pre-eminence and ranking of Florida's SUS in both the U.S. and the

Revised 12-8-21
world. Ultimately, the new program will produce graduates who make significant contributions to their professions and society and support Florida’s economy and its demand for a STEM workforce. In turn, the program’s graduates will engage with and support the University’s educational, research, and service missions.

E. If other public or private institutions in Florida have similar programs that exist at the four- or six-digit CIP Code or in other CIP Codes where 60 percent of the coursework is comparable, identify the institution(s) and geographic location(s). Summarize the outcome(s) of communication with appropriate personnel (e.g., department chairs, program coordinators, deans) at those institutions regarding the potential impact on their enrollment and opportunities for possible collaboration in the areas of instruction and research.

We searched the database on degrees awarded at AAU and Florida institutions (https://ir.aia.edu/academic-support/academic-program-inventory/academic-marketplace/), and found seven institutions offer Master’s degree in the CIP Code 11.0401 in the state of Florida (see table below). None of them are similar to what we are proposing.

<table>
<thead>
<tr>
<th>Institution</th>
<th>College</th>
<th>Degree</th>
<th>Focus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida Institute of Technology</td>
<td></td>
<td>MS in Information Technology</td>
<td>provides the essential business and strategic technology management courses</td>
</tr>
<tr>
<td>Florida State University</td>
<td>Library</td>
<td>MS in Information</td>
<td>general librarianship, information architecture &amp; technology, information needs &amp; services, youth information needs &amp; services.</td>
</tr>
<tr>
<td>Nova Southeastern University</td>
<td>Computing and Engineering</td>
<td>MS in Information Systems</td>
<td>Business Intelligence/Data Analytics, Information Assurance, and Cybersecurity Management, User Experience (UX)/Human-Computer Interaction</td>
</tr>
<tr>
<td>South University -Tampa</td>
<td></td>
<td>MS in Information Systems</td>
<td>information systems in converged networks, modern software development methodologies, business intelligence, governance, information security, and emerging technologies.</td>
</tr>
<tr>
<td>university of South Florida</td>
<td>Business</td>
<td>MS in Business Analytics &amp; Information Systems</td>
<td>Business analytics, information technology, and management</td>
</tr>
</tbody>
</table>

FAU has a Master of Science in Data Science and Analytics program in CIP 30.0601. FAU’s Master of Science in Data Science and Analytics (MS-DSA) is a multi-college interdisciplinary program offered in four concentrations: Data Science in Society housed in the College of Arts & Letters, Data Analytics in Business housed in the College of Business, Data Science and Engineering housed in the College of Engineering & Computer Science, Data Science via Scientific Inquiry housed in the College of Science. It is designed to provide students with interests in Data Science and Data Analytics with a unique and multifaceted educational opportunity within and across each of its areas of concentration. Students will emerge from the program with a broad understanding of data challenges and opportunities, along with the research and inquiry skills necessary to conduct independent research and answer questions within their area of specialization. The program prepares students to enter the workforce under roles such as Data Curator, Data Analyst, Statistician, Data Scientist, Market Analyst, and Software Engineer (see...
https://www.fau.edu/graduate/programs/datascienceandanalytics.php).

Our proposed new major in Urban Analytics complements FAU’s MS-DSA program as our focus is specifically on big data analytics in urban planning and design, which is complementary to the four concentrations in FAU’s MS-DSA program.

F. Describe the process for the recruitment and retention of a diverse student body in the proposed program. If the proposed program substantially duplicates a program at FAMU or FIU, provide a letter of support from the impacted institution(s) addressing how the program will impact the institution’s ability to attract students of races different from that which is predominant on the FAMU or FIU campus. The institution’s Equal Opportunity Officer shall review this Section of the proposal, sign, and date the additional signatures page to indicate that all requirements of this section have been completed.

The University of Florida’s Graduate School, through its Office of Graduate Diversity Initiatives (OGDI), is actively engaged in recruiting, retaining, and graduating students who typically are under-represented in graduate programs. It has a twofold mission: (1) to increase the number of graduate students from underrepresented ethnic or racial groups; and (2) to provide prospective and enrolled graduate students in underrepresented demographic groups with material aid and mentoring to help in their successful pursuit of a graduate school education. It accomplishes this mission through a variety of programs, services, and support initiatives, including a campus visitation program, fellowship and scholars programs, and professional development workshops. In addition, OGDI works with academic units to promote racial/ethnic diversity in graduate recruitment.

The College of Design, Construction and Planning will work in consultation with OGDI to use its resources to help ensure a diverse student body by actively recruiting students from Historically Black Colleges and Universities in Florida (e.g., Florida A&M University, UNCF, and so on) and in the US (e.g., Texas Southern University) through a variety means such as personal recruit events/visits, social media, and e-mail communications.

To the best of our knowledge, this proposed program does not duplicate other programs offered at FAMU and FIU.

IV. Curriculum

A. Describe all admission standards and all graduation requirements for the program. Hyperlinks to institutional websites may be used to supplement the information provided in this subsection; however, these links may not serve as a standalone response. For graduation requirements, please describe any additional requirements that do not appear in the program of study (e.g., milestones, academic engagement, publication requirements).

Applicants to this graduate program must have earned a bachelor’s degree with a minimum upper-division GPA of at least 3.0 from an accredited US institution or international equivalent in Urban and Regional Planning and Computer & Information Science. Up to 9 graduate-level credits earned with a grade of B or better may potentially be transferred into this new degree program. A GRE is required for admission consideration, and for
international students, an English proficiency test such as TOEFL or IELTS is required.

A total of 36 credits is required to complete the M.S. degree, with 30 credits of course work and 6 credits of thesis or project report. All coursework used for the Graduate degree must meet a minimum 3.0 GPA (truncated) in overall and major credits.

Only graduate-level (5000-7999) work with a grade of B or better is eligible for transfer of credit. A maximum of 15 transfer credits are allowed. These can include no more than 9 credits from institution/s approved by UF, with the balance obtained from postbaccalaureate work at the University of Florida. Credits transferred from other universities are applied toward the degree requirements, but grades earned are not computed in the student’s grade point average. Acceptance of transfer of credit requires approval of the student’s supervisory committee and the Dean of the Graduate School.

B. Describe the specific expected student learning outcomes associated with the proposed program. If the proposed program is a baccalaureate degree, include a hyperlink to the published Academic Learning Compact and the document itself as Appendix C.

Each student will develop a solid base of understanding for data science and AI technologies and have a strong domain knowledge in urban studies and urban planning, understand social justice and equity, become an expert in their chosen field of research, and develop the skills necessary to pursue an independent research and practice agenda in both academia and industry.

Upon completion of this degree, students will be able to think critically and apply AI and Machine Learning methodologies to complex spatial analysis and environmental, and urban planning problems, and integrate technologies with analysis.

C. If the proposed program is an AS-to-BS capstone, provide evidence that it adheres to the guidelines approved by the Articulation Coordinating Committee for such programs, as outlined in State Board of Education Rule 6A-10.024. Additionally, please list the prerequisites, if any, and identify the specific AS degrees that may transfer into the proposed program.

☒ Not applicable to this program because it is not an AS-to-BS Capstone.

D. Describe the curricular framework for the proposed program, including the following information where applicable:

- total numbers of semester credit hours for the degree
- number of credit hours for each course
- required courses, restricted electives, and unrestricted electives
- a sequenced course of study for all majors, concentrations, tracks, or areas of emphasis

The 36-credit, two-year degree program will offer students a variety of courses in different clusters about urban and regional planning theory (6 credits required), methods (9 credits required), data science (3 credits required), Artificial Intelligence (9 credits required) and database (3 credits required) in collaboration with departments in the College of Engineering. Incoming students will begin the program in the fall semester. Based on their terminal project topic, each student will enroll in URP 6979 for their 6 credits of master’s research project.
Here is the curriculum of the program in 4 semesters (all courses are 3 credit - letter graded unless noted otherwise):

First semester:
- URP 6007 - Survey in Urban and Regional Planning (required for non-urban planning students)
- Choose one course from URP Theory and Practice courses (for urban planning students):
  o URP 6042 Urban Economy
  o URP 6100 Planning Theory and History
  o URP 6421 Environmental Land Use Planning and Management
  o URP 6541 Economic Development Planning
  o URP 6716 Transportation Policy and Planning
- Choose one course from URP Methods courses:
  o URP 6223 Introduction to Urban Analytics
  o URP 6270 Introduction to Planning Information Systems
- CAP 5771 Introduction to Data Science

Second semester:
- Choose one course from URP Theory and Practice courses:
  o URP 6042 Urban Economy
  o URP 6061 Planning Administration and Ethics
  o URP 6131 Land Use Planning Law
  o URP 6203 Planning Research Design
  o URP 6711 Transportation and Land Use Coordination
  o URP 6745 Housing, Public Policy and Planning
- Choose one course from URP Methods courses:
  o URP 6224 Intermedial Urban Analytics
  o URP 6271 Automation for Geospatial Modeling and Analysis
  o URP 6272 Urban Spatial Analysis
  o URP 6821 Transportation and Land Use Modeling
- Choose one course from AI Cluster courses:
  o CAP 6610 Machine Learning
  o COT 5615 Mathematics for Intelligent Systems
  o CAP 5635 Artificial Intelligence Concepts
  o EEL 6935 Big Data Ecosystems
  o EEL 6953 Machine Learning for Natural Language Processing
  o EEL 6825 Pattern Recognition and Intelligent Systems
  o EEL 6841 Machine Intelligence and Synthesis

Third semester:
- Choose one course from AI Cluster courses:
  o CAP 6610 Machine Learning
  o COT 5615 Mathematics for Intelligent Systems
  o CAP 5635 Artificial Intelligence Concepts
  o EEL 5840 Elements of Machine Intelligence
  o EEL 6814 Neural Networks and Deep Learning
  o EEE 6512 Image Processing and Computer Vision
- Choose one course from Database Cluster courses:
  o COP 5725 Database Management Systems
  o COT 5405 Analysis of Algorithms
  o COP 5536 Advanced Data Structures
- Take 3-credit Thesis or Masters Research Project (Choose one from the following)
  o URP 6971 Research for Master's Thesis (1-6 Credits, Max 6 Credits)
  o URP 6979 Master's Research Project (1-6 Credits, Max 6 Credits)

Fourth semester:
- Choose one course from AI Cluster courses:
E. Provide a brief description for each course in the proposed curriculum.

Urban and Regional Planning Courses:

1. URP 6007 Seminar in Urban and Regional Planning (3 credits): An overview of the comprehensive planning process designed for graduates who are considering a career in urban and regional planning or who are pursuing studies, such as urban analytics, where some knowledge of the planning process is desirable.

2. URP 6042 – Urban Economy (3 credits): This course is designed to provide fundamental knowledge about urban economics to answer to following questions (1) Why do cities exist? (2) Why do some cities grow more rapidly while some decline? (3) What types of government interventions could result in urban growth? (4) Where to locate almost all urban land-uses? (5) Why do metropolitan areas exist?

3. URP 6061 – Planning Administration and Ethics (3 credits): Examine institutional and ethical decision-making frameworks within which planners carry out their day-to-day responsibilities and with which they relate to the wider world.

4. URP 6100 – Planning Theory and History (3 credits): Philosophy, theory, and history of inquiry into the processes of design, urban development systems.

5. URP 6131 – Land Use Planning Law (3 credits): The legal aspects of the allocation and development of land resources, private controls through covenants and easements; public regulation and control through zoning and subdivision regulation; social, economic, and political implications of land regulations.

6. URP 6203 – Planning Research Design (3 credits): Emphasizes research design and literature research; student presentations at appropriate stages in thesis work.

7. URP 6270 – Introduction to Planning Information Systems (3 credits): Introduction to concepts and theory associated with desktop GIS as related to urban and regional (environmental) planning.

8. URP 6271 – Automation for Geospatial Modeling and Analysis (3 credits): Covers methods and techniques for automating geospatial modeling and analysis for urban planning by using visual models, computer programming, and custom-built applications and tools that utilize Geographic Information Systems (GIS) technology in the context of planning information systems.

9. URP 6272 – Urban Spatial Analysis (3 credits): Theoretical and practical knowledge about spatial relationships as applied to urban form and the development and analysis of urban environments using geographic information systems and spatial analysis techniques such as spatial statistical modeling.

Revised 12-8-21
10. URP 6276 – Internet Geographic Information Systems (3 credits): Examines the theoretic and technological background in the emerging technologies in web-based geographic information systems (GIS).

11. URP 6421 – Environmental Land Use Planning and Management (3 credits): Introduction to the types of environmental impacts associated with land development and the connection between land use planning, the environmental regulation of land, and environmental assessment and analysis in the United States and internationally, with a special focus on Florida.

12. URP 6541: Economic Development Planning (3 credits): Major international and national economic development theory, issues and trends as they affect local economic development planning, methods, and practice.

13. URP 6711: Transportation and Land Use Coordination (3 credits): Explores the connection between land use and transportation by considering how four major sets of actors shape the urban environment: individuals, businesses, the professions and governments.

14. URP 6716: Transportation Policy and Planning (3 credits): Introduction to transportation policy planning in urban context. Transportation policy instruments and policy-making processes, critical issues in transportation policy, history of policy in U.S. at federal, state, and local levels.


16. URP 6821: Transportation and Land-Use Modeling (3 credits): The planning process, modeling and applications for passenger transportation and land-use development of metropolitan areas with respect paid to its contribution to transportation project and policy analysis.

17. URP 6223: Introduction to Urban Analytics (3 credits): This course introduces Urban Analytics and its applications to real world problems in urban and regional planning, urban studies, and related fields, including urban data sources, processing, visualization, modeling, and analysis methods.

18. URP 6224: Intermediate Urban Analytics (3 credits): This course will provide implementations of advanced Machine Learning (ML) and Artificial Intelligence (AI) methods into spatial concepts using real world problems in the field. This course will also teach students relevant advanced programming skills to work with spatial datasets.

19. URP 6971 Research for Master's Thesis (1-6 Credits, Max 6 Credits)

20. URP 6979 Master's Research Project (1-6 Credits, Max 6 Credits)
This option, in lieu of thesis, accommodates a physical design, geospatial analysis, or other community-based planning project that because of its maps, graphic content, or subject does not fit comfortably within a thesis format. Grading Scheme: S/U

Computer and Information Science Courses:

1. CAP 5635 – Artificial Intelligence Concepts (3 credits): Heuristic search, game theory, knowledge representation, logic, machine learning, AI languages and tools. Applications such as planning, natural language understanding, expert systems, and computer vision.

2. CAP 5771 – Introduction to Data Science (3 credits): Introducing the basics of data science including programming for data analytics, file management, relational databases, classification, clustering, and regression. The foundation is laid for big data applications

Revised 12-8-21
ranging from social networks to medical and business informatics.

3. **CAP 6610 - Machine Learning (3 credits):** This course covers concepts involved in developing computer programs that learn with experience with emphasis on methods based on probability, statistics, and optimization. Specific topics include discrete and continuous Generative Models and Clustering, Bayesian and Frequentist Statistics, Regression, Classification as Regression, Model Selection, Kernels, Gaussian Process Regression, and Markov modeling. Graphical models may be included if time permits.

4. **CAP 6615 - Neural Networks for Computing (3 credits):** Neural network models and algorithms. Adaptive behavior, associative learning, competitive dynamics, and biological mechanisms. Applications include computer vision, cognitive information processing, control, and signal analysis.

5. **COP 5536 - Advanced Data Structures (3 credits):** Development of efficient data structures used to obtain more efficient solutions to classical problems, such as those based on graph theoretical models, as well as problems that arise in application areas of contemporary interest.

6. **COP 5725 - Database Management Systems (3 credits):** Introduction to systems and procedures for managing large, computerized databases, including queries, how to use databases like SQL servers, Microsoft Access, FileMaker Pro, and more.

7. **COP 6726 - Database System Implementation (3 credits):** DBMS architecture, query processing and optimization, transaction processing, index structures, parallel query processing, object-oriented and object-relational databases, and related topics.

8. **COP 6755 - Distributed Database Systems (3 credits):** Distributed database systems including the areas of distributed database design, resource allocation, access plan selection, and transaction management.

9. **COT 5405 - Analysis of Algorithms (3 credits):** Introduction and illustration of basic techniques for designing efficient algorithms and analyzing algorithm complexity.


**Electrical and Computer Engineering Courses:**

1. **EEL 5840 - Elements of Machine Intelligence (3 credits):** Overview of machine intelligence and the role of machine learning in variety of real-world problems in areas such as remote sensing and adaptive filtering. Probability and statistics to handle uncertain data. Learning models from data in both a supervised and unsupervised fashion. Linear models (e.g., linear discriminant analysis) and non-linear models (e.g., neural networks) for classification. Linear dimensionality reduction (e.g., principal components analysis).

2. **EEE 6512 - Image Processing and Computer Vision (3 credits):** This course introduces fundamental concepts and techniques for image processing and computer vision. We will address 1) how to efficiently represent and process image/video signals, and 2) how to deliver image/video signals over networks.

3. **EEL 6533 - Data Analytics and Decision Sciences (3 credits):** Hypothesis testing of signals in the presence of noise by Bayes, Neyman-Pearson, minimax criteria; estimation of signal parameters.

4. **EEL 6814 - Neural Networks and Deep Learning (3 credits):** Understand and utilize

Revised 12-8-21
neural network concepts for signal processing and pattern recognition. Neural networks models will be explained from the point of view of nonlinear adaptive signal processing. Stress time varying models. Figures of merit for neural network design will also be covered.

5. **EEL 6825 – Pattern Recognition and Intelligent Systems (3 credits):** Decision functions; optimum decision criteria; training algorithms; unsupervised learning; feature extraction, data reduction; potential functions; syntactic pattern description; recognition grammars; machine intelligence.

6. **EEL 6841 – Machine Intelligence and Synthesis (3 credits):** Theory of machine intelligence applied to general problem of engineering intelligent computer systems and architecture. Applications emphasized.

7. **EEL 6935: Big Data Ecosystems (3 credits):** We will use all kinds of cloud resources for the course projects, including GENI, Amazon Web Services, Google Cloud, NSFCloud, and GatorCloud. This course involves intensive programming and extensive software systems. We use many professional tools for coding, project management, and documentation, e.g., Asana, Trello, GitHub, Google Drive etc.

8. **EEL 6953 Machine Learning for Natural Language Processing (3 credits):** The goal of natural language processing is to allow machines to understand and process human language. This course extends the knowledge presented in EEL-5840 Elements of Machine Intelligence to understand how machine learning methods can be applied to natural language processing. During the first part of the course, fundamental concepts and methods used in natural language processing are introduced. During the second portion of the course, more recent machine learning-based approaches, particularly neural networks/deep-learning are presented.

F. For degree programs in medicine, nursing, and/or allied health sciences, please identify the courses that contain the competencies necessary to meet the requirements identified in Section 1004.08, Florida Statutes. For teacher preparation programs, identify the courses that contain the competencies necessary to meet the requirements outlined in Section 1004.04, Florida Statutes.

✗ Not applicable to this program because the program is not a medicine, nursing, allied health sciences, or teacher preparation program.

G. Describe any potential impact on related academic programs or departments, such as an increased need for general education or common prerequisite courses or increased need for required or elective courses outside of the proposed academic program. If the proposed program is a collaborative effort between multiple academic departments, colleges, or schools within the institution, provide letters of support or MOUs from each department, college, or school in Appendix D.

Some of the required courses within the proposed Urban Analytics degree program are similar to the current Masters of Urban and Regional Planning (M.U.R.P.) program, but differences exist between these two programs. First, the M.U.R.P. program requires 52-credits addressing the theories and methods of all aspects of urban planning, while the M.S. program requires only 15 credits of urban planning-related courses. The remaining, 15 credits are data science and AI related courses that are offered in the CISE and ECE departments. Second, the M.U.R.P. program focuses on educating professional planners,
while the Urban Analytics program focuses on educating urban data analysts and urban data scientists. Thus, M.U.R.P. has few required courses related to data science and AI, while the new degree program has many more required courses on data science and AI. Third, M.U.R.P. is fully accredited by the Planning Accreditation Board (PAB), while the M.S. program will not seek accreditation. The M.U.R.P. and M.S. programs will attract different cohorts of students, with the new Urban Analytics program attracting students with more technical backgrounds than the current M.U.R.P. program. Therefore, we do not anticipate current M.U.R.P. students will switch to the new M.S. program.

Appendix D shows the letters of support from the UF CISE and ECE departments, who support the students from this program to take courses in their respective departments. It also shows a letter of endorsement from David Wasserman, who is a graduate of the geodesign major in Sustainability and the Built Environment and a graduate of our Master of Urban and Regional Planning. He was recently hired by Alta Planning & Design as their first data scientist to incorporate urban analytics into the transportation planning practice.

H. Identify any established or planned educational sites where the program will be offered or administered. If the proposed program will only be offered or administered at a site(s) other than the main campus, provide a rationale.

This program will be delivered on UF’s main campus in Gainesville.

I. Describe the anticipated mode of delivery for the proposed program (e.g., face-to-face, distance learning, hybrid). If the mode(s) of delivery will require specialized services or additional financial support, please describe the projected costs below and discuss how they are reflected in Appendix A – Table 3A or 3B.

The program will be delivered face-to-face. No specialized services or greater than normal financial support will be required.

J. Provide a narrative addressing the feasibility of delivering the proposed program through collaboration with other institutions, both public and private. Cite any specific queries made of other institutions with respect to shared courses, distance/distributed learning technologies, and joint-use facilities for research or internships.

It is possible for students from other institutions to take this master’s degree program. An inter-institutional agreement will need to be made to make this happen. There is no specific inquiry made yet from other institutions.

K. Describe any currently available sites for internship and/or practicum experiences. Describe any plans to seek additional sites in Years 1 through 5.

☒ Not applicable to this program because the program does not require internships or practicums.

V. Program Quality Indicators - Reviews and Accreditation

A. List all accreditation agencies and learned societies that would be concerned with the proposed program. If the institution intends to seek specialized

Revised 12-8-21
accreditation for the proposed program, as described in Board of Governors Regulation 3.006, provide a timeline for seeking specialized accreditation. If specialized accreditation will not be sought, please provide an explanation.

This is a non-accredited program because it is an emerging interdisciplinary program, and there is no accreditation body established yet.

B. Identify all internal or external academic program reviews and/or accreditation visits for any degree programs related to the proposed program at the institution, including but not limited to programs within academic unit(s) associated with the proposed degree program. List all recommendations emanating from the reviews and summarize the institution's progress in implementing those recommendations.

The Planning Accreditation Board (PAB) accredited the Master of Urban and Regional Planning program for the maximal possible years - seven-year, through December 2026. Here are some comments and recommendations from the accreditation report:

“In its report the Site Visit Team noted many areas of excellence; the Program should be proud of its accomplishments. More specifically, the Site Visit Team found: strong research by faculty; an on-campus program that addresses the critical concerns of the state; and a high-quality online degree program. The Board is impressed by the innovation of an online degree program and the seamless integration of this modality with the campus-based program.”

Standard 4 / Curriculum
Sub-Criterion 4A2d / Plan Creation and Implementation
“The program shall offer a curriculum that teaches students the essential knowledge, skills, and values central to the planning profession [including] integrative tools useful for sound plan formulation, adoption, and implementation and enforcement.”
Department response: the course “Development Review” has been updated and offered.

Sub-Criterion 4A2e / Planning Process Methods
“The Program shall offer a curriculum that teaches students the essential knowledge, skills, and values central to the planning profession [including] tools for stakeholder involvement, community engagement, and working with diverse communities.”
Department response: A new course “Community Engagement” has been offered.

Sub-Criterion 4A3c / Governance and Participation
“The Program shall offer a curriculum that teaches students the essential knowledge, skills, and values central to the planning profession [including] the roles of officials, stakeholders, and community members in planned change.”
Department response: A new course “Community Engagement” has been offered, also the contents of the course “Planning Administration and Ethics” has been updated to enhance the contents of governance and public participation.

C. For all degree programs, discuss how employer-driven or industry-driven competencies were identified and incorporated into the curriculum. Additionally, indicate whether an industry or employer advisory council exists to provide input for curriculum development, student assessment, and
academic-force alignment. If an advisory council is not already in place, describe any plans to develop one or other plans to ensure academic-workforce alignment.

The industry-driven competencies were identified by investigating current market needs in existing job posting platforms and our URP alumni and industry advisory council. The curriculum was analyzed to ensure expected qualifications and skills would be met. Workshops and meetings involving the existing URP industry advisory council are regularly held to solicit feedback and input for curriculum development.

VI. Faculty Participation

A. Use Appendix A – Table 2 to identify existing and anticipated full-time faculty who will participate in the proposed program through Year 5, excluding visiting or adjunct faculty. Include the following information for each faculty member or position in Appendix A – Table 2:

- the faculty code associated with the source of funding for the position
- faculty member’s name
- highest degree held
- academic discipline or specialization
- anticipated participation start date in the proposed program
- contract status (e.g., tenure, tenure-earning, or multi-year annual [MYA])
- contract length in months
- percent of annual effort that will support the proposed program (e.g., instruction, advising, supervising)

This information should be summarized below in narrative form. Additionally, please provide the curriculum vitae (CV) for each identified faculty member in Appendix E.

The degree can be accomplished within the Department of Urban and Regional Planning using existing faculty and available courses in the College of Engineering. See Table 2 in Appendix A for the listing of faculty that will be directly involved with delivering the program and Appendix E for faculty’s CVs.

B. Provide specific evidence demonstrating that the academic unit(s) associated with the proposed program have been productive in teaching, research, and service. Such evidence may include trends over time for average course load, FTE productivity, student HC in major or service courses, degrees granted, external funding attracted, and other qualitative indicators of excellence (e.g., thesis, dissertation, or research supervision).

The faculty in URP are highly productive in teaching, research, and service. The program in urban and regional planning recently secured reaccreditation by the Planning Accreditation Board for the maximum period allowed (7 years).

In the past 10 years the faculty in URP have published 10 books, 202 refereed journal articles, 17 book chapters, 2 extramural exhibitions, 55 reports and monographs and 281 extramural presentations at national and international conferences. The faculty has attracted 131 external contract and grants for a total of $25.6 million dollars.
VII. Budget

A. Use Appendix A – Table 3A or 3B to provide projected costs and associated funding sources for Year 1 and Year 5 of program operation. In narrative form, describe all projected costs and funding sources for the proposed program(s). Data for Year 1 and Year 5 should reflect snapshots in time rather than cumulative costs.

Excluding three new courses, the proposed curriculum includes existing courses taught by existing faculty. Current faculty are anticipated to absorb the first new course (URP 6007 Survey in Urban and Regional Planning). Therefore, we do not expect to increase costs to offer these courses. In addition, the department just hired a new tenure-track Assistant professor from MIT whose expertise is Artificial Intelligent and Urban Analytics. The new faculty is expected to teach the two new course (URP 6223 Introduction to Urban Analytics and URP 6223 Intermediate Urban Analytics), and the salary is listed on Table 3A in year 1 as $48,074, which reflects the effort associated with this degree program. We expect to hire a staff member as the program grows in the future but will use existing support staff in the department for the first year, which is indicated by the $15,000 for staff salaries and benefits in Table 3A in year 1. Year 5 in Table 3A Salary and Benefits (Faculty) $103,405 reflects possible annual raises for the assistant professor, and the additional effort from existing departmental faculty. $36,772 in Salaries and Benefits (A&P and USPS) reflects the proposed new support staff hire.

B. Use Appendix A – Table 4 to show how existing Education & General (E&G) funds will be reallocated to support the proposed program in Year 1. Describe each funding source identified in Appendix A – Table 4, and provide a justification below for the reallocation of resources. Describe the impact the reallocation of financial resources will have on existing programs, including any possible financial impact of a shift in faculty effort, reallocation of instructional resources, greater use of adjunct faculty and teaching assistants, and explain what steps will be taken to mitigate such impacts.

Existing E&G funds will reallocated for the newly hired assistant professor. The new program will not require any additional effort from the faculty beyond that already committed to the urban and regional planning program, nor will it require the reallocation of other resources used to support other educational programs; therefore, there is no impact on existing programs.

C. If the institution intends to operate the program through continuing education, seek approval for market tuition rate, or establish a differentiated graduate-level tuition, as described in Board of Governors Regulation 8.002, provide a rationale and a timeline for seeking Board of Governors’ approval.

☒ Not applicable to this program because the program will not operate through continuing education, seek approval for market tuition rate, or establish a differentiated graduate-level tuition

D. Provide the expected resident and non-resident tuition rate for the proposed program for both resident and non-resident students. The tuition rates should be reported on a per credit hour basis, unless the institution has received

Revised 12-8-21
approval for a different tuition structure. If the proposed program will operate as a continuing education program per Board of Governors Regulation 8.002, please describe how the tuition amount was calculated and how it is reflected in Appendix A – Table 3B.

This program will be offered at DCP’s current credit hour rate as follows:

In-State: tuition $539.49, other fees: $86.50. Total Florida Resident Rate/credit hour: $625.99

Non-resident: tuition $539.49, non-resident fee: $690.21, non-resident student financial aid: $34.51. Total non-resident rate/credit hour: $1,350.71

Source: https://www.fas.ufl.edu/directives/2020-21-academic-year-tuition-and-fees/

E. Describe external resources, both financial and in-kind support, that are available to support the proposed program, and explain how this amount is reflected in Appendix A – Table 3A or 3B.

We expect faculty members to obtain research grants from external sources to support student’s research as graduate assistantship. We will work with the college’s development team to seek philanthropic donations to support this new MS in Urban Analytics program. Furthermore, we expect to have some alumni to provide guest lectures, offer seminars and workshops to our graduate students.

VIII. Non-Faculty Resources

A. Describe library resources currently available to implement and/or sustain the proposed program through Year 5 below, including but not limited to the following:

- the total number of volumes and serials available in the discipline and related disciplines
- all major journals that are available to the university’s students

The Library Director must sign the additional signatures page to indicate that they have review Sections VIII.A. and VIII.B.

The George A. Smathers Libraries at the University of Florida hold over 6.7M print volumes, 1.5M e-books, and provide access to over 148K full-text print and electronic journals, as well as over 1992 electronic databases. The Libraries offer a video production studio, maker-spaces, and a virtual and augmented reality lab. All campus libraries host computer labs managed by Academic Technology which provide access to specialized software, including ArcGIS, CAD, Adobe Creative Cloud, and more. The Libraries provide expertise in GIS, Informatics, and Data Management.

Due to the interdisciplinary nature of Urban and Regional Planning, print resources are found throughout the library system. AFA Library holds materials about planning and the built environment, Library West holds collections related to city and regional planning, as well as government documents (UF is a US Federal Documents Regional Depository Library), and the Marsion Science Library holds collections related to geography and the environment, and data science. The Legal Information Center has holdings in growth management, codes, and planning. The Department of Special and Area Studies Collections includes several collections of interest, including the University of Florida Architectural Archives and the Map and
Imagery Library—the latter heavily used by planning students.

Electronic books, journals, and many key databases, such as the Avery Index to Architectural Periodicals, Compendex, GeoRef, Web of Science, ProQuest Dissertations & Theses Global, and others, are available via the internet to UF students, faculty, and staff. Many relevant databases are multidisciplinary and are funded centrally. The UF Libraries expend over $12 million annually on electronic resources. Listed below is a selection of important journals available through UF Libraries that will support students in this program. Due to the interdisciplinary nature of urban & regional planning, as well as data science, this is only a representative list.

*ACM Transactions on Knowledge Discovery from Data (TKDD)*
*Annals of the American Association of Geographers*
*Applied Geography*
*Computers, Environment, and Urban Systems*
*Earth’s Future*
*Environment and Planning*
*GeoJournal*
*Health & Place*
*IEEE Transactions on Pattern Analysis and Machine Intelligence*
*International Journal of Geographical Science*
*Journal of Planning Education & Research*
*Journal of Planning Literature*
*Journal of the American Planning Association*
*Landscape and Urban Planning*
*Planning Theory and Practice*
*Transportation Research Record*
*Urban Studies*
*Urban Land*
*Urban Ecology*

In addition to the collections held by the George A. Smathers Libraries, faculty, students, and staff have access to both Interlibrary Loan and UBorrow. The Libraries hold memberships in a number of consortia and institutions, such as the Center for Research Libraries, ensuring access through interlibrary loan to materials not held or subscribed locally. UBorrow allows patrons to easily borrow material from other Florida academic libraries. This partnership is often faster and with a longer loan period than the traditional interlibrary loan.

The Libraries offer consultations, workshops, and events throughout the year, and this program has the support of the following professionals: Design Librarian/Liaison to Urban and Regional Planning, Informatics Librarian, Computer Science & Engineering Librarians, Map & Imagery Librarian, Geospatial Information Services (GIS) Librarian, and the Smathers Libraries' Academic Research Consulting and Services (ARCS) team which provides expertise in data science, informatics, and AI, with an ongoing search for a Natural Language Processing and AI specialist.

Additionally, the GeoPlan Center within the School of Landscape Architecture and Planning maintains the Florida Geographic Data Library, which maintains a collection of spatial information that is shared with all persons and agencies in Florida. It contains over 400 layers of geospatial information in the following data categories: land cover, hydrology, soils, environmental quality, conservation, transportation, and geographic library. The FGDL has
been shared with the UF Map and Imagery Library and is a resource available for the proposed degree.

B. Discuss any additional library resources that are needed to implement and/or sustain the program through Year 5. Describe how those costs are reflected in Appendix A – Table 3A or 3B.

☒ Not applicable to this program because no additional library resources are needed to implement or sustain the proposed program.

C. Describe any specialized equipment and space currently available to implement and/or sustain the proposed program through Year 5.

The College of DCP has facilities in three on-campus buildings – the Architecture Building, Rinker Hall and the Fine Arts C Building – and the Florida Institute for Built Environment Resilience (FIBER) shares its offices in the Ayers Building. The college has approximately 170,000 sq. ft. of classroom, lab spaces, office space, including a 2,000 sq. ft. graduate student research hub and a floor of research offices for research centers and programs (see Table 1). Graduate students who are working in research centers and institutes have a workspace in the center offices. The Center for World Heritage Research and Stewardship, the Geo-Facilities Planning and Information Research (GeoPlan), the Center for Health and the Built Environment, International Center for Adaptation Planning and Design (iAdapt) and Envision Design (for IND) have offices on the first floor in the Architecture Building. The Shimberg Center for Housing Studies, the Center for Advanced Construction Information Modeling, the Flour Program in Construction Safety and the Powell Center for Construction and Environment are located in the Rinker Building. Graduate students who work as teaching assistants or research assistants on other research are assigned shared office space in either the Architecture or Rinker Building. Other graduate students can get a locker and share the workspace in the student research hub with other graduate students. The research center and shared office spaces are locked workspaces, and the graduate research hub has key code access.

<table>
<thead>
<tr>
<th>Space in Campus Buildings by type of space (sq. ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Usage</td>
</tr>
<tr>
<td>-----------------------------</td>
</tr>
<tr>
<td>Classrooms</td>
</tr>
<tr>
<td>Instructional Labs/studios</td>
</tr>
<tr>
<td>Research Lab</td>
</tr>
<tr>
<td>Graduate Student Hub</td>
</tr>
<tr>
<td>Office</td>
</tr>
<tr>
<td>Support Space</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>

D. Describe any additional specialized equipment or space that will be needed to implement and/or sustain the proposed program through Year 5. Include any

Revised 12-8-21
projected Instruction and Research (I&R) costs of additional space in Appendix A – Table 3A or 3B. Costs for new construction should be provided in response to Section X.E. below.

☒ Not applicable to this program because no new I&R costs are needed to implement or sustain the program through Year 5.

E. If a new capital expenditure for instructional or research space is required, indicate where this item appears on the university’s fixed capital outlay priority list. Appendix A – Table 3A or 3B includes only I&R costs. If non-I&R costs, such as indirect costs affecting libraries and student services, are expected to increase as a result of the program, describe and estimate those expenses in narrative form below. It is expected that high enrollment programs, in particular, would necessitate increased costs in non-I&R activities.

☒ Not applicable to this program because no new capital expenditures are needed to implement or sustain the program through Year 5.

F. Describe any additional special categories of resources needed to operate the proposed program through Year 5, such as access to proprietary research facilities, specialized services, or extended travel, and explain how those projected costs of special resources are reflected in Appendix A – Table 3A or 3B.

☒ Not applicable to this program because no additional special categories of resources are needed to implement or sustain the program through Year 5.

G. Describe fellowships, scholarships, and graduate assistantships to be allocated to the proposed program through Year 5, and explain how those are reflected in Appendix A – Table 3A or 3B.

☒ Not applicable to this program because no fellowships, scholarships and/or graduate assistantships will be allocated to the proposed program through Year 5.
IX. Required Appendices

The appendices listed in tables 1 & 2 below are required for all proposed degree programs except where specifically noted. Institutions should check the appropriate box to indicate if a particular appendix is included to ensure all program-specific requirements are met. Institutions may provide additional appendices to supplement the information provided in the proposal and list them in Table 4 below.

**Table 1. Required Appendices by Degree Level**

<table>
<thead>
<tr>
<th>Appendix</th>
<th>Appendix Title</th>
<th>Supplemental Instructions</th>
<th>Included? Yes/No</th>
<th>Required for Degree Program Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Tables 1-4</td>
<td></td>
<td>Y</td>
<td>Bachelors X Masters/ Specialist X Doctoral/ Professional X</td>
</tr>
<tr>
<td>B</td>
<td>Consultant's Report and Institutional Response</td>
<td></td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Academic Learning Compacts</td>
<td>Include a copy of the approved or proposed Academic Learning Compacts for the program</td>
<td>N</td>
<td>X</td>
</tr>
<tr>
<td>D</td>
<td>Letters of Support or MOU from Other Academic Units</td>
<td>Required only for programs offered in collaboration with multiple academic units within the institution</td>
<td>Y</td>
<td>X X X X</td>
</tr>
<tr>
<td>E</td>
<td>Faculty Curriculum Vitae</td>
<td></td>
<td>Y</td>
<td>X X X X</td>
</tr>
<tr>
<td>F</td>
<td>Common Prerequisite Request Form</td>
<td>This form should also be emailed directly to the BOG Director of Articulation prior to submitting the program proposal to the Board office for review.</td>
<td>N</td>
<td>X</td>
</tr>
<tr>
<td>G</td>
<td>Request for Exemption to the 120 Credit Hour Requirement</td>
<td>Required only for baccalaureate degree programs seeking approval to exceed the 120 credit hour requirement</td>
<td>N</td>
<td>X</td>
</tr>
<tr>
<td>H</td>
<td>Request for Limited Access Status</td>
<td>Required only for baccalaureate degree programs seeking approval for limited access status</td>
<td>N</td>
<td>X</td>
</tr>
</tbody>
</table>
Table 2. Additional Appendices

<table>
<thead>
<tr>
<th>Appendix</th>
<th>Appendix Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Tables 1-4</td>
<td>Required Tables</td>
</tr>
<tr>
<td>B</td>
<td>Letters of Support</td>
<td>Department chairs and Industry support letters</td>
</tr>
<tr>
<td>C</td>
<td>Faculty CVs</td>
<td>Faculty CVs</td>
</tr>
</tbody>
</table>
## APPENDIX A
### TABLE 1-B
**PROJECTED HEADCOUNT FROM POTENTIAL SOURCES**
(Graduate Degree Program)

<table>
<thead>
<tr>
<th>Source of Students (Non-duplicated headcount in any given year)*</th>
<th>Year 1 HC</th>
<th>Year 1 FTE</th>
<th>Year 2 HC</th>
<th>Year 2 FTE</th>
<th>Year 3 HC</th>
<th>Year 3 FTE</th>
<th>Year 4 HC</th>
<th>Year 4 FTE</th>
<th>Year 5 HC</th>
<th>Year 5 FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individuals drawn from agencies/industries in your service area (e.g., older returning students)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Students who transfer from other graduate programs within the university**</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Individuals who have recently graduated from preceding degree programs at this university</td>
<td>1</td>
<td>0.75</td>
<td>2</td>
<td>1.5</td>
<td>3</td>
<td>2.25</td>
<td>4</td>
<td>3</td>
<td>5</td>
<td>3.75</td>
</tr>
<tr>
<td>Individuals who graduated from preceding degree programs at other Florida public universities</td>
<td>1</td>
<td>0.75</td>
<td>1</td>
<td>0.75</td>
<td>2</td>
<td>1.5</td>
<td>2</td>
<td>1.5</td>
<td>3</td>
<td>2.25</td>
</tr>
<tr>
<td>Individuals who graduated from preceding degree programs at non-public Florida institutions</td>
<td>1</td>
<td>0.75</td>
<td>1</td>
<td>0.75</td>
<td>2</td>
<td>1.5</td>
<td>2</td>
<td>1.5</td>
<td>3</td>
<td>2.25</td>
</tr>
<tr>
<td>Additional in-state residents***</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Additional out-of-state residents***</td>
<td>1</td>
<td>0.75</td>
<td>2</td>
<td>1.5</td>
<td>3</td>
<td>2.25</td>
<td>4</td>
<td>3</td>
<td>5</td>
<td>3.75</td>
</tr>
<tr>
<td>Additional foreign residents***</td>
<td>1</td>
<td>0.75</td>
<td>2</td>
<td>1.5</td>
<td>2</td>
<td>1.5</td>
<td>3</td>
<td>2.25</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Other (Explain)**</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

| Totals | 5 | 3.75 | 8 | 6 | 12 | 9 | 15 | 11.25 | 20 | 15 |

* List projected annual headcount of students enrolled in the degree program. List projected yearly cumulative ENROLLMENTS instead of admissions.
** If numbers appear in this category, they should go DOWN in later years.
*** Do not include individuals counted in any PRIOR category in a given COLUMN.
# APPENDIX A

## Table 2

### Anticipated Faculty Participation

<table>
<thead>
<tr>
<th>Faculty Code</th>
<th>Faculty Name or &quot;New Hire&quot;</th>
<th>Highest Degree Held</th>
<th>Academic Discipline or Specialty</th>
<th>Rank</th>
<th>Contract Status</th>
<th>Initial Date for Participation in Program</th>
<th>Mos. Contract Year 1</th>
<th>FTE Year 1</th>
<th>% Effort for Prg. Year 1</th>
<th>PY Year 1</th>
<th>Mos. Contract Year 5</th>
<th>FTE Year 5</th>
<th>% Effort for Prg. Year 5</th>
<th>PY Year 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Kristin E. Larsen, Ph.D.</td>
<td>Urban and Regional Planning</td>
<td></td>
<td>Professor</td>
<td>Tenure</td>
<td>Fall 2023</td>
<td>9</td>
<td>0.75</td>
<td>0.05</td>
<td>0.04</td>
<td>9</td>
<td>0.75</td>
<td>0.05</td>
<td>0.04</td>
</tr>
<tr>
<td>A</td>
<td>Zhong-Ren Peng, Ph.D.</td>
<td>Urban and Regional Planning</td>
<td></td>
<td>Professor</td>
<td>Tenure</td>
<td>Fall 2023</td>
<td>9</td>
<td>0.75</td>
<td>0.05</td>
<td>0.04</td>
<td>9</td>
<td>0.75</td>
<td>0.05</td>
<td>0.04</td>
</tr>
<tr>
<td>A</td>
<td>Ilir Bejler, Ph.D.</td>
<td>Urban and Regional Planning</td>
<td></td>
<td>Assoc. Prof.</td>
<td>Tenure</td>
<td>Fall 2023</td>
<td>9</td>
<td>0.75</td>
<td>0.05</td>
<td>0.04</td>
<td>9</td>
<td>0.75</td>
<td>0.05</td>
<td>0.04</td>
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<tr>
<td>A</td>
<td>Yan Wang, Ph.D.</td>
<td>Urban and Regional Planning</td>
<td></td>
<td>Asst. Prof.</td>
<td>Accuring</td>
<td>Fall 2023</td>
<td>9</td>
<td>0.75</td>
<td>0.10</td>
<td>0.08</td>
<td>9</td>
<td>0.75</td>
<td>0.10</td>
<td>0.08</td>
</tr>
<tr>
<td>A</td>
<td>Emre Tepe, Ph.D.</td>
<td>Urban and Regional Planning</td>
<td></td>
<td>Asst. Prof.</td>
<td>Accuring</td>
<td>Fall 2023</td>
<td>9</td>
<td>0.75</td>
<td>0.10</td>
<td>0.08</td>
<td>9</td>
<td>0.75</td>
<td>0.10</td>
<td>0.08</td>
</tr>
<tr>
<td>C</td>
<td>Shenkhao Wang, Ph.D.</td>
<td>Urban Analytics</td>
<td></td>
<td>Asst. Prof.</td>
<td>Accuring</td>
<td>Fall 2023</td>
<td>9</td>
<td>0.75</td>
<td>0.40</td>
<td>0.30</td>
<td>9</td>
<td>0.75</td>
<td>0.40</td>
<td>0.30</td>
</tr>
</tbody>
</table>

**Total Person-Years (PY):**

<table>
<thead>
<tr>
<th>Faculty Code</th>
<th>Code Description</th>
<th>Source of Funding</th>
<th>PY Workload by Budget Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Existing faculty on a regular line</td>
<td>Current Education &amp; General Revenue</td>
<td>0.26</td>
</tr>
<tr>
<td>B</td>
<td>New faculty to be hired on a vacant line</td>
<td>Current Education &amp; General Revenue</td>
<td>0.00</td>
</tr>
<tr>
<td>C</td>
<td>New faculty to be hired on a new line</td>
<td>New Education &amp; General Revenue</td>
<td>0.00</td>
</tr>
<tr>
<td>D</td>
<td>Existing faculty hired on contracts/grants</td>
<td>Contracts/Grants</td>
<td>0.00</td>
</tr>
<tr>
<td>E</td>
<td>New faculty to be hired on contracts/grants</td>
<td>Contracts/Grants</td>
<td>0.00</td>
</tr>
<tr>
<td>F</td>
<td>Existing faculty on endowed lines</td>
<td>Philanthropy &amp; Endowments</td>
<td>0.00</td>
</tr>
<tr>
<td>G</td>
<td>New faculty on endowed lines</td>
<td>Philanthropy &amp; Endowments</td>
<td>0.00</td>
</tr>
<tr>
<td>H</td>
<td>Existing or new faculty teaching outside of regular/tenure-track line course load</td>
<td>Enterprise Auxiliary Funds</td>
<td>0.00</td>
</tr>
</tbody>
</table>

**Overall Totals for:**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.56</td>
<td>0.56</td>
</tr>
</tbody>
</table>

Worksheet Table 2 Faculty Participation
**APPENDIX A**

**TABLE 4**

ANTICIPATED REALLOCATION OF EDUCATION GENERAL FUNDS*

<table>
<thead>
<tr>
<th>Program and/or E&amp;G account from which current funds will be reallocated during Year 1</th>
<th>Base before reallocation</th>
<th>Amount to be reallocated</th>
<th>Base after reallocation</th>
</tr>
</thead>
<tbody>
<tr>
<td>URP E&amp;G account</td>
<td>70,000</td>
<td>48,074</td>
<td>$21,026</td>
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</tr>
<tr>
<td>Totals</td>
<td>$70,000</td>
<td>$48,074</td>
<td>$21,026</td>
</tr>
</tbody>
</table>

* If not reallocating E&G funds, please submit a zeroed Table 4

---

Worksheet Table 4 Reallocation
APPENDIX B

Communications with Dr. Juan Gilbert, Chair of the Department of Computer and Information Science and Engineering

From: Gilbert.Juan E <juan@ufl.edu>
Sent: Tuesday, March 31, 2020 10:46 AM
To: Peng.Zhong-Ren <zpeng@ufl.edu>
Cc: Larsen,Kristin Esther <klarsen@ufl.edu>; Stephens,Tina <tstephens@cise.ufl.edu>
Subject: Re: Meeting request Re: Urban Analytics

Zhong-Ren, our graduate affairs committee reviewed this and they are OK with this. The only concern they have is if we (CISE) have enough seats in those classes for our own students already? Given the size of our program, we have very limited seats at this time, but we are OK with this and we wanted to make you aware that our classes are very full at this time.

Let me know if you have any questions.

Thanks,

Juan E. Gilbert, Ph.D.
Andrew Banks Family Preeminence Endowed Professor & Chair
Computer & Information Science & Engineering Department
Herbert Wertheim College of Engineering
University of Florida
P.O. Box 116120
Gainesville, FL 32611
352.392.1527 (V)
352.273.0738 (F)
juan@ufl.edu
Twitter: @DrJuanGilbert
http://www.juangilbert.com/

On Mar 27, 2020, at 10:14 AM, Gilbert, Juan E <juan@ufl.edu> wrote:

Zhong-Ren, I will have our graduate affairs committee review this and we will get back with you.

Thanks,

On Mar 27, 2020, at 12:21 AM, Peng.Zhong-Ren <zpeng@ufl.edu> wrote:

Dear Juan,
Just want to give you an update on this issue. The faculty at the Department of Urban and Regional Planning has approved the proposal to develop a Master of Urban Analytics and a Certificate of Urban Analytics. The pre-proposal of the Master of Urban Analytics has been forwarded to the Provost's office who will forward to the Governing Board for final approval. Once the pre-proposal is approved, we will develop a full proposal. It will be a long process.

The Certificate of Urban Analytics proposal (attached) needs to go through the UF approval system. Since the students need to take some of the courses from your department, the UF approval system needs supporting documents that include your agreement to allow the Certificate students to take courses from your department. You don't have to provide a formal letter of support, an e-mail is sufficient.

I anticipate no more than 5 students per year would take the certificate, so the demand for your courses is small. Plus, we have identified many courses from your department, therefore, it's unlikely all students will select the same course.

Thank you for your support. I look forward to your positive response.

Zhong-Ren
Communications with Department of Electrical and Computer Engineering

From: Harris, John Gregory <harris@ece.ufl.edu>
Sent: Sunday, March 29, 2020 1:28 PM
To: Peng, Zhong-Ren <zpeng@ufl.edu>
Cc: Evern, Michelle L <mevern@ece.ufl.edu>
Subject: Re: Meeting request

Hello Zhong-Ren,

Hope you are staying safe in these dire times. Thanks for spearheading the new Master of Urban Analytics and the new Certificate of Urban Analytics. These are good opportunities for the students. The students in these programs have permission to take course in the Electrical and Computer Engineering Department provided they meet the course prerequisites. Let me know if you need anything else from me.

Good luck with these programs. Hopefully we will all be back on campus soon.

John

John G. Harris, Professor and Chair
Department of Electrical and Computer Engineering
216 Larsen Hall, P.O. Box 116200
University of Florida, Gainesville, FL 32611-6200
www.ece.ufl.edu, harris@ece.ufl.edu, (352) 392-0913

On Mar 27, 2020, at 12:14 AM, Peng, Zhong-Ren <zpeng@ufl.edu> wrote:

Dear John,

Just want to give you an update on this issue. The faculty at the Department of Urban and Regional Planning has approved the proposal to develop a Master of Urban Analytics and a Certificate of Urban Analytics. The pre-proposal of the Master of Urban Analytics has been forwarded to the Provost’s office who will forward to the Governing Board for final approval. Once the pre-proposal is approved, we will develop a full proposal. It will be a long process.

The Certificate of Urban Analytics proposal (attached) needs to go through the UF approval system. Since the students need to take some of the courses from your department, the UF approval system needs supporting documents that include your agreement to allow the Certificate students to take courses from your department. You don’t have to provide a formal letter of support, an e-mail is sufficient.
I anticipate no more than 5 students per year would take the certificate, so the demand for your courses is small. Plus, we have identified many courses from your department, therefore, it's unlikely all students will select the same course.

Thank you for your support. I look forward to your positive response.

Zhong-Ren
3/26/2021
UF Administration
University of Florida
College of Design, Construction and Planning
P.O. Box 115701
Gainesville, FL 32611-5701

Letter of Support for Urban Analytics Program

Dear UF Administration,

We are writing to offer our support for the proposed Master of Science in an Urban/Civic Analytics program at the Department of Urban and Regional Planning at the University of Florida. We believe that this program will prepare the next generation of civil servants for an era defined by changing expectations brought by technological change.

Many organizations across the public and private sectors are undergoing digital transformations at an accelerating pace. Simultaneously, technology is ruthlessly reducing the transaction costs in most arenas of life including how we find information, how we purchase things, and how we acquire mobility on demand. All of this is occurring in a world awash with new datasets derived from telematics, mobility data standards, and now artificial intelligence. As these new datasets emerge, so are new processing capabilities ranging from learning algorithms to new frontiers of graphic processing units (GPU) oriented computing. The International Transport Forum is trying to prepare practitioners for a time when policy is algorithmically governed. These are the unavoidable trends of our business. The planning profession is awakening to these new opportunities, and, as advisors and guardians of the future of our built environments, we need to do more to prepare for what is next.

There is great demand for urban & regional planning students who also have skills in data science, coding, and GIS. The profession needs to define how these technologies can better the lives of the people we serve, or their applications will be decided purely by technologists with no commitment or context to support the public interest. We also hope this program would promote the recruitment of underrepresented voices in planning so that graduates will come from a diversity of socioeconomic perspectives, cultures, and ethnicities. This is critical for the planning profession as we work to solve problems in diverse communities. An MS in Urban/Civic Analytics that will educate graduate students in both analytics and urban planning is exactly what we need to grow our business and transform our profession. We highly support it and would be interested in hiring qualified graduates from this program.

Sincerely,

David Wasserman, AICP, Data Science Practice Leader
Alta Planning + Design, Inc

About Alta Planning & Design

Alta Planning + Design is an active transportation company dedicated to creating active, healthy communities through planning, landscape architecture, engineering, and education/encouragement programs. Alta was founded in 1996 when cities and communities were calling for safer streets for people walking and bicycling as the non-motorized transportation movement developed into a profession in the United States. We pioneered the field of active transportation, evolving our planning and design work into a visionary global practice that empowers people to live active, healthy lives and gets them to where they need to go.

altago.com

Revised 12-8-21
APPENDIX C – Faculty CV
DR. KRISTIN E. LARSEN, AICP
University of Florida, Department of Urban and Regional Planning
P.O. Box 115706
Gainesville, FL 32611-5706
352-294-1482    klarsen@ufl.edu

Academic Employment
1/13 – DIRECTOR, University of Florida (UF), School of Landscape Architecture and Planning (SLA&P); since 1/16, this appointment also incorporates the position of Chair, Department of Urban and Regional Planning (URP)
1/11–12/12 CHAIR, UF, URP
7/18 – PROFESSOR, UF, URP
8/08 – 6/18 ASSOCIATE PROFESSOR, UF, URP
8/01–8/08 ASSISTANT PROFESSOR, UF, URP; Graduate Coordinator from 5/06 to 5/09

Education
8/95 – 5/01 Cornell University – Doctoral degree with a focus on City and Regional Planning.
8/87 – 5/90 University of Florida – Master of Arts in Urban and Regional Planning.
8/81 – 5/86 University of Florida – Bachelor of Science in Business Administration.

Administrative Accomplishments
As Chair of the Department of URP, I spearheaded the development of the first online graduate program in urban and regional planning in the U.S., shepherded the department through two successful accreditation reviews, both securing the maximum 7-year period with the most recent review including the online delivery of our graduate degree, making it the first fully online accredited degree in planning. As Director of the School of Landscape Architecture and Planning, I strengthened the collaborative research and teaching opportunities between landscape architecture and planning, establishing further integration via updated bylaws, and spearheaded the adoption of the School’s first strategic plan.

Teaching Milestones
Received Outstanding Teacher of the Year four times in URP and once college-wide. Developed four new courses and significantly revised a fifth course for online delivery. Chaired 39, co-chaired 30, and participated as a member of 22 master’s thesis and project committees for students who have completed their degrees and chaired 6, co-chaired 3, and participated as a member on 5 dissertation committees for Ph.D. students who have completed their degrees. I also participated on 6 graduate committees of students who completed a non-thesis option.

Grants (selected)
Over $1,032,021 in internal and external grants awarded either as Principal or Co-Principal Investigator since Fall 2001 including the HUD Urban Scholars Fellowship, the State of Florida Division of Historical Resources Grant, and the UF-City of Gainesville Research Awards.


5/17–5/18 Co-Principal Investigator with Kathryn Frank (PI), Laura Dedenbach (Co-PI), and Tyeshia Redden (Co-PI) on a UF-City of Gainesville Research Award, “Neighborhoods as Community Assets: Preparing for the Future While Protecting Neighborhoods” - $49,131.

8/09–8/10 Research funds from the Clarence S. Stein Institute during my sabbatical year to

Revised 12-8-21
complete a draft of the biography of Clarence S. Stein - $20,000.

9/07-12/10  Co-Principal Investigator with Dr. Ilir Bejleri, William O'Dell, and Dr. Ruth Steiner on a research grant from the Wachovia Foundation to develop a “Florida Housing Suitability Model” – grant of $500,000.

8/05-10/06  Co-Principal Investigator with Timothy McLendon (Principal Investigator), Florida Department of State, Division of Historical Resources Grant, “Contributions of Historic Preservation to the Quality of Life of Florida Residents” – grant of $89,250.

6/04-9/05  Principal Investigator, HUD Urban Scholars Fellowship, “Defining Characteristics and Implementation: Analysis of Housing Trust Funds with a Focus on Florida’s SHIP Program” – grant of $52,862.

Publications (selected)


[15 additional peer reviewed publications plus 4 book reviews and 7 reports.]

Conference Engagement

Peer reviewed presentations at six international and twenty-one national conferences. In 2014, I served as a member of the International Planning History Society Conference Program and Proceedings Committee. This is the primary conference for planning historians worldwide. In 2013, I served as co-chair of the Conference Program Committee for the Society for American City and Regional Planning History (SACRPH). In 2010-11, I co-chaired the Planning History Track for the World Planning Schools Congress, 2011.

Service (selected)

I served as one of two elected Southeastern Regional Representatives to the Association of Collegiate Schools of Planning Governing Board from 2016-18. This is the primary national organization for planning academics. From 2015-19, I have served as book review editor of the

Revised 12-8-21
Journal of Planning History and continue to serve on the journal's editorial board. In August 2006, I was appointed by Governor Jeb Bush to serve on the Governor's Affordable Housing Study Commission, which I did until the commission was disbanded in June 2011.
Resume

Name: Zhong Ren Peng  Email: zpeng@ufl.edu
Position: Professor  Telephone: 352-294-1491
Professional Mailing Address: 462 ARCH Building, University of Florida
City: Gainesville  State: Florida
Fax: 352-392-3308  Zip Code: 32611

a) Professional Preparations

Portland State University  Urban Studies  August 1994  Ph.D.
Portland State University  Economics  June 1994  M.S.
University of Science and Technology of China  Geography  July 1986  M.S.
Central China Normal University  Geography  July 1983  B.S.

b) Appointments

<table>
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<tr>
<th>Dates</th>
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<th>Position</th>
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<tbody>
<tr>
<td>3/2017 – Current</td>
<td>International Center for Adaptation Planning and Design, University of Florida</td>
<td>Director and Professor</td>
</tr>
<tr>
<td>1/2011 – Current</td>
<td>University of Florida</td>
<td>Professor</td>
</tr>
<tr>
<td>8/07 – 12/2010</td>
<td>University of Florida</td>
<td>Professor and Chair</td>
</tr>
<tr>
<td>8/05 – 8/07</td>
<td>University of Wisconsin-Milwaukee</td>
<td>Professor</td>
</tr>
<tr>
<td>4/2003 – 8/07</td>
<td>Center for Advanced Spatial Information Research,</td>
<td>Director</td>
</tr>
<tr>
<td>8/03 – 1/04</td>
<td>Massachusetts Institute of Technology</td>
<td>Visiting Associate Professor</td>
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<tr>
<td>8/01 – 7/05</td>
<td>University of Wisconsin-Milwaukee</td>
<td>Associate Professor</td>
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<tr>
<td>8/96 – 7/96</td>
<td>University of Wisconsin-Milwaukee</td>
<td>Assistant Professor</td>
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<tr>
<td>9/95 – 8/96</td>
<td>Georgia Institute of Technology</td>
<td>Research Scientist II</td>
</tr>
<tr>
<td>9/94 – 8/95</td>
<td>Portland State University, Oregon</td>
<td>Research Associate &amp; Adjunct</td>
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<td>8/86 – 2/90</td>
<td>Chinese Academy of Sciences, Beijing, PRC</td>
<td>Assistant Professor</td>
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Assistant Research Professor

Products

Recent Publications


Revised 12-8-21

d) Synergistic Activities
In the last five years (2015-2019), Dr. Peng published 66 refereed journal articles, 4 book chapters and made over 30 presentations as keynote speaker, invited speaker and conference presenter in international conferences in the areas of adaptation planning for climate change, transportation planning, transportation and environment, and geographic information systems (GIS), particularly Internet GIS.

Selected Research Grants
1. “Evaluating the connection between transit and TNCs (Transportation Network Companies),” Sponsored by the Florida Department of Transportation, $200,000, Role: PI, 9/1/2019 – 1/31/2021
2. “Evaluating the effectiveness and funding mechanism of the Downtowner service in Tampa, Florida for statewide application”, Sponsored by the Florida Department of Transportation, $163,766, Role: PI, 8/15/2019 – 10/30/2020

Awards
1. University of Florida Term Professor, by the University of Florida, September 2017
2. International Educator of the Year, by University of Florida, October 2016
3. UF Research Foundation Professor, by University of Florida, March 2016

Service
1. Member, Geographic Information Science and Applications Committee, Transportation Research Board of National Academy of Science, 2011- current
2. Co-Chair, Sensor Technology Sub-Committee, Transportation Research Board of National Academy of Science, 2012 – current
3. Board of Director and Chair, International Association for China Planning (2006 – 2011)
Abbreviated Faculty Curriculum Vitae

Name: Ilir Bejleri                                Year of Appointment: 2001
Academic Rank:                                    Associate Professor  Other:
Association with Program:  Full-time
Tenured: Yes

Educational History:
University of Tirana, Albania  PhD  Architecture / Urban Design  1994
Polytechnic University of Tirana, Albania  Candidate  Architecture  1992
of Sciences
Polytechnic University of Tirana, Albania  BS  Architecture  1986

Positions and Employment
07/2007 – Present  Associate Professor, Department of Urban and Regional Planning, University of Florida
08/2011 – Present  Associate Professor, (affiliate appointment), Department of Coastal and Civil Engineering, University of Florida
01/2001 – Present  Co-Director, Geoplan Center, University of Florida
08/2000 – 06/2007  Assistant Professor, University of Florida
08/1999 – 07/2000  Assistant Scientist, Geoplan Center, University of Florida
08/1995 – 07/1999  Research Associate, Geoplan Center, University of Florida
01/1994 – 06/1995  Assistant Professor, Polytechnic University of Tirana, Albania
09/1993 – 12/1993  Visiting Researcher, Polytechnic University of Milan, Italy
09/1991 – 08/1993  Instructor, Polytechnic University of Tirana, Albania
06/1989 – 06/1991  Visiting Researcher, Architecture and Design Institute, Tirana, Albania
09/1987 – 05/1989  Instructor, Polytechnic University of Tirana, Albania

Selected Refereed Journal Articles

Neff, D.F., Yoon, S., Bejleri, I., Steiner, R., Everhart, D., Bumbach, M., Harman, J. (2018), Impact of NP state regulations on population access to care, Nursing Outlook, DOI 10.1016/j.outlook.2018.03.001


Ouyang, Y., Bejleri, I., "Geographic Information System-Based Community-Level Method to Evaluate Influence of Built Environment on Traffic Crashes", Transportation Research Record: Journal of the Transportation Research Board, No 2432, Transportation Research Board of the National Academies, Washington, DC, 2014, pp 124-132


Selected Funded research contracts, grants or commissions

**Title:** Expanding Accessibility, Utilization and Data Integration of Signal Four Analytics (GIS Web-Based Crash Data Collection, Reporting and Analysis System)  
**Sponsor:** Florida Department of Transportation  
**Role:** Principal Investigator  
**Duration:** October 2013 – September 2020  
**Total Award:** $1,800,000

**Title:** A Unified and Sustainable Solution to Improve Geolocation Accuracy of Crash Data.  
**Sponsor:** Florida Department of Transportation  
**Role:** Principal Investigator  
**Duration:** October 2012 – September 2020  
**Total Award:** $1,100,000

**Title:** Transportation Safety Center  
**Sponsor:** Florida Department of Transportation  
**Role:** Co-Principal Investigator (with Nithin Agarwal as PI)  
**Duration:** July 2018 – December 2020  
**Total Award:** $220,000 (Co-PI portion)

**Title:** Metroplan Orlando Crash Geospatial Database  
**Sponsor:** Metroplan Orlando Metropolitan Planning Organization  
**Role:** Principal Investigator  
**Duration:** July 2010 – June 2020  
**Total Award:** $350,000

**Title:** Large Truck Crash Analysis for Freight Mobility and Safety Enhancement in Florida  
**Sponsor:** Florida Department of Transportation  
**Role:** Co-Principal Investigator (with Xia Jin as PI)  
**Duration:** January 2017 – June 2019  
**Total Award:** $80,000 (Co-PI portion)

**Title:** GIS-Based Instructional Tool for Crash Prediction Methods  
**Sponsor:** Southeastern Transportation Research Innovation Education Development Center (STRIDE)  
**Role:** Principal Investigator  
**Duration:** August 2013 – December 2014  
**Total Award:** $79,000

Revised 12-8-21
NSF BIOGRAPHICAL SKETCH

NAME: Wang, Yan

ORCID: 0000-0002-3946-9418

POSITION TITLE & INSTITUTION: Assistant Professor, Department of Urban and Regional Planning and Florida Institute for Built Environment Resilience

(a) PROFESSIONAL PREPARATION

<table>
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<th>INSTITUTION</th>
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<th>MAJOR / AREA OF STUDY</th>
<th>DEGREE (if applicable)</th>
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<tbody>
<tr>
<td>Beijing Jiaotong</td>
<td>Beijing</td>
<td>Construction, Engineering &amp; Management</td>
<td>BENG</td>
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<td>University</td>
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<td>Beijing Jiaotong</td>
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<td>Virginia Tech</td>
<td>Blacksburg,</td>
<td>Civil Engineering</td>
<td>PHD</td>
<td>2018</td>
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<td></td>
<td>Virginia</td>
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</table>

(b) APPOINTMENTS

2018 - present Assistant Professor, Department of Urban and Regional Planning and Florida Institute for Built Environment Resilience, University of Florida, Gainesville, FL

2016 - present Visiting Researcher, Department of Construction and Infrastructure System Engineering, Georgia Institute of Technology, Atlanta, GA

2015 - 2018 Graduate Fellow, BioBuild Program, Interdisciplinary Graduate Education Programs (IGEP), Virginia Tech, Blacksburg, VA

(c) PRODUCTS

Products Most Closely Related to the Proposed Project


Revised 12-8-21
of Management in Engineering. 2020; 36(4). DOI: https://doi.org/10.1061/(ASCE)ME.1943-5479.0000782


Other Significant Products, Whether or Not Related to the Proposed Project


(d) SYNERGISTIC ACTIVITIES


4. Teaching and mentoring. Teaching Geographic Information System (GIS) in the Department of Urban and Regional Planning (2018-current); Advising two women STEM PhD students as the committee chair (2018-current). Mentored two doctoral students and two underrepresented students with multi-disciplinary backgrounds (2016-2018).

5. Serving broad academic communities (2015-Present). Reviewing top-ranked journals with focuses on disaster and computing including Journal of Computing in Civil Engineering and International Journal of Disaster Risk Reduction; Being Member of Association of Collegiate Schools of Planning, American Planning Association, and American Society of Civil Engineers.
BIOGRAPHICAL SKETCH

NAME: Tepe, Emre
ORCID: 0000-0001-8575-2401

POSITION TITLE & INSTITUTION: Assistant Professor, University of Florida

(a) PROFESSIONAL PREPARATION

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<th>MAJOR / AREA OF STUDY</th>
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<tr>
<td>Istanbul Technical University</td>
<td>Istanbul</td>
<td>Urban and Regional Planning</td>
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<td>MS</td>
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<td>The Ohio State University</td>
<td>Columbus, Ohio</td>
<td>City and Regional Planning</td>
<td>MS</td>
<td>2013</td>
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<td>The Ohio State University</td>
<td>Columbus, Ohio</td>
<td>City and Regional Planning</td>
<td>PhD</td>
<td>2016</td>
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(b) APPOINTMENTS

2019 - present Assistant Professor, University of Florida, Urban and Regional Planning, Gainesville, Florida

2017 – 2019 Assistant Professor, Gebze Technical University, City and Regional Planning, Kocaeli

2017 – 2017 Adjunct Faculty, Kadir Has University, Real Estate and Asset Valuation, Istanbul

2016 – 2017 Adjunct Faculty, Cankaya University, City and Regional Planning, Ankara

(c) PRODUCTS


(d) SYNERGISTIC ACTIVITIES

1. Review manuscripts on spatial-temporal modeling and land-use change modeling in the following journals: Computers, Environment and Urban Systems; Journal of Planning Literature; Annals of Regional Science, Remote Sensing; Forests; Sustainability.

Revised 12-8-21
Shenhao Wang  
Assistant Professor in Urban Artificial Intelligence  
Department of Urban and Regional Planning, University of Florida  
Email: shenhaowang@ufl.edu

EDUCATION

2020  
Interdepartmental Ph.D. in Computer and Urban Science, MIT  
Dissertation: Deep neural networks for choice analysis

2017  
Master in City Planning and Master of Science in Transportation, MIT

2014  
B.A. in Economics, Peking University

2012  
B.A. in Architecture and Law, Master in Architecture, Tsinghua University

ACADEMIC EXPERIENCE

2022 -  
Assistant Professor in Urban Artificial Intelligence, Department of Urban and Regional Planning, University of Florida

2021 - 2022  
Research Scientist, Urban Mobility Lab (50%) and Human Dynamics Group (50%), Media Lab, Massachusetts Institute of Technology

2020 - 2021  
Postdoctoral Associate, Human Dynamics Group, Media Lab, MIT

2019 - 2021  
Postdoctoral Associate, Urban Mobility Lab, Massachusetts Institute of Technology

2019 - 2020  
Research Fellow, Zoba

JOURNAL PUBLICATIONS1

J14. 2022  

J13. 2022  

J12. 2021  

J11. 2021  

J10. 2021  

J9. 2021  

J8. 2021  

J7. 2020  

J6. 2020  

J5. 2020  

J4. 2020  

J3. 2019  

J2. 2019  

1*: corresponding author; §: co-first author.

AWARDS AND HONORS

2021  Dan and Eva Roos Ph.D. Dissertation Prize, MIT Mobility Initiative
2020  Eric Pas Dissertation Prize, Honorable Mention for one of the top two dissertations, awarded by International Association for Travel Behavior Research
2020  Outstanding Ph.D. Dissertation Award, Honorable Mention, Department of Urban Studies and Planning, MIT
2019  Best Ph.D. Paper Award, International Choice Modeling Conference
2019  Best Presentation Award in Doctoral Research Workshop, Transportation Research Board 98th Annual Conference
2014  Departmental Fellowship, Department of Urban Studies and Planning in MIT
2011  Outstanding Graduation Thesis, Tsinghua University
2009  Ni Tianzen Fellowship, Tsinghua University
2008  China National Fellowship, Tsinghua University

RESEARCH FUNDING

Funding Amount: $875,000 (50% of total $1,750,000)
Sponsor: United States Department of Energy

Funding Amount: $35,000 (100%)
Sponsor: Zoba

INVITED TALKS


TEACHING EXPERIENCE

2019  Co-instructor, Deep Learning for Transportation, Fall, MIT;
2018  Teaching Assistant, Behavior and Policy: Connections in Transportation, Spring, MIT;
STATE UNIVERSITY
SYSTEM OF FLORIDA

Board of Governors, State University System of Florida
REQUEST TO OFFER A NEW DEGREE PROGRAM
In Accordance with BOG Regulation 8.011
(Please do not revise this proposal format without prior approval from Board staff)

University of Florida
Institution Submitting Proposal

Herbert Wertheim College of Engineering
Name of College(s) or School(s)

Artificial Intelligence
Academic Specialty or Field

11.0102
Proposed CIP Code (2020 CIP)

Fall 2023
Proposed Implementation Term

Engineering Education
Name of Department(s)/Division(s)

Master of Science with a major in Artificial Intelligence Systems
Complete Name of Degree

The submission of this proposal constitutes a commitment by the university that, if the proposal is approved, the necessary financial resources and the criteria for establishing new programs have been met prior to the initiation of the program.

Date Approved by the University Board of Trustees

President’s Signature

Date

Board of Trustees Chair’s Signature

Provost’s Signature

Date

4/21/2023 | 11:16 AM EDT

PROJECTED ENROLLMENTS AND PROGRAM COSTS

Provide headcount (HC) and full-time equivalent (FTE) student estimates for Years 1 through 5. HC and FTE estimates should be identical to those in Appendix A – Table 1. Indicate the program costs for the first and the fifth years of implementation as shown in the appropriate columns in Appendix A – Table 3A or 3B. Calculate an Educational and General (E&G) cost per FTE for Years 1 and 5 by dividing total E&G by FTE.

<table>
<thead>
<tr>
<th>Implementation Timeframe</th>
<th>HC</th>
<th>FTE</th>
<th>E&amp;G Cost per FTE</th>
<th>E&amp;G Funds</th>
<th>Contract &amp; Grants Funds</th>
<th>Auxiliary/Philanthropy Funds</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>20</td>
<td>14</td>
<td>$9,783</td>
<td>$136,964</td>
<td>0</td>
<td>0</td>
<td>$136,964</td>
</tr>
<tr>
<td>Year 2</td>
<td>40</td>
<td>28</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Year 3</td>
<td>60</td>
<td>42</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Year 4</td>
<td>80</td>
<td>56</td>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Year 5</td>
<td>80</td>
<td>56</td>
<td>$7,340</td>
<td>$411,039</td>
<td>0</td>
<td>0</td>
<td>$411,039</td>
</tr>
</tbody>
</table>

Master of Science with a major in Artificial Intelligence Systems
Additional Required Signatures

I confirm that I have reviewed and approved Need and Demand Section III.F. of this proposal.

[Signature]
Signature of Equal Opportunity Officer
10/10/2022
Date

I confirm that I have reviewed and approved Non-Faculty Resources Section VIII.A. and VIII.B. of this proposal.

[Signature]
Signature of Library Dean/Director
6/28/2021
Date

Joseph Glover
Introduction

I. Program Description and Relationship to System-Level Goals

A. Describe within a few paragraphs the proposed program under consideration, and its overall purpose, including:
   - degree level(s)
   - majors, concentrations, tracks, specializations, or areas of emphasis
   - total number of credit hours
   - possible career outcomes for each major (provide additional details on meeting workforce need in Section III)

The proposed program under consideration is a non-thesis Master of Science with a major in Artificial Intelligence Systems degree program.

The Master of Science with a major in Artificial Intelligence Systems will consist of a set of 6 core courses (18 credit hours), one project course (3 credit hours), and 3 elective options selected from Table 1 (9 credit hours). The students will also have the option to have a committee chair/program faculty advisor reflected in UF GIMS.

The total number of credits for the degree will be 30.

This M.S. degree program is intended for students with strong analytical and computing backgrounds. For example, students with strong computing backgrounds and B.S. degrees in areas such as computer engineering or science, industrial and systems engineering, or physics would qualify to pursue this degree. Students working toward a Ph.D. in other engineering fields, such as agricultural and biological, biomedical, civil and coastal, chemical, electrical, environmental, mechanical, and aerospace and materials science engineering, may also be interested in and qualified to pursue this degree. Engineers are driving AI into a wide range of systems, including autonomous vehicles, aircraft engines, industrial plants, and wind turbines. These are complex, multidomain systems where behavior of the AI model has a substantial impact on the overall system performance. In this world, developing an AI model is not the finish line. It is merely a step along the way. [1]

Domains that are searching for AI engineers include conservation, education, industry, information management, marketing, medicine, military activities, robotics, and space travel.

Reference:
[1] 2020: Five Artificial Intelligence Trends For Engineers And Scientists (analyticsindiamag.com)
If the proposed program qualifies as a Program of Strategic Emphasis, as described in the Florida Board of Governors 2025 System Strategic Plan, please indicate the category.

- Critical Workforce
  - ☐ Education
  - ☐ Health
  - ☐ Gap Analysis

- Economic Development
  - ☐ Global Competitiveness
  - ☑ Science, Technology, Engineering, and Math (STEM)
  - ☐ Does not qualify as a Program of Strategic Emphasis.

II. Strategic Plan Alignment, Projected Benefits, and Institutional Mission and Strength

A. Describe how the proposed program directly or indirectly supports the following:

- System strategic planning goals (see link to the 2025 System Strategic Plan on the New Program Proposals & Resources webpage)
- the institution’s mission
- the institution’s strategic plan

By preparing engineering students to work in industry, pursue advanced studies in related AI areas, and reskilling and upskilling the engineering workforce in the State of Florida, the proposed Master of Science with a major in Artificial Intelligence Systems aligns with the State University System of Florida institutional mission statement to provide undergraduate, graduate and professional education, research, and public service of the highest quality through a coordinated system of institutions of higher learning, each with its own mission and collectively dedicated to serving the needs of a diverse state and global society. It also aligns with Goal 2 of the University of Florida Strategic Plan to provide an outstanding and accessible education that prepares students for work, citizenship, and life. The program also aligns well with UF Strategic Goal 3 (faculty recognized as preeminent by their students and peers) by utilizing new talent from the UF 500 and AI 100 hiring programs (ongoing), including preeminence hiring, increasing the institutional visibility and, in turn, helping attract new talent.

As AI is a technology and innovations driver in the multitude of industries in Florida’s economy, the knowledge and skills acquired in this degree program will be instrumental to student’s professional success, particularly as they contribute their expertise to addressing the systemic challenges facing the society and economy in Florida and beyond. By increasing student interest in and strengthening of the STEM core, the program will contribute to the BOG mission of achieving excellence in the tripartite mission of its state universities - teaching, research, and public service - for the benefit of Florida’s citizens, their communities, and the state economy, by helping transform it to a knowledge economy. Specifically to UF, the program will help leverage AI technology to develop cutting-edge knowledge in agricultural, human, and natural resources and to make that knowledge accessible to sustain and enhance the quality of human life in Florida and beyond through training of the new generation of the tech workforce.
B. Describe how the proposed program specifically relates to existing institutional strengths. This can include:
  • existing related academic programs
  • existing programs of strategic emphasis
  • institutes and centers
  • other strengths of the institution

The proposed Master of Science with a major in Artificial Intelligence Systems leverages existing institutional strengths in the Herbert Wertheim College of Engineering and the University of Florida, including the new Data Science and Information Technology (DSIT) Building. Data science and analytics are boosted by the AI initiative, which includes the AI-centric data center at the University of Florida that houses the world’s fastest AI supercomputer in higher education.

C. Provide the date the pre-proposal was presented to the Council of Academic Vice Presidents Academic Program Coordination (CAVP ACG). Specify whether any concerns were raised and if so, provide a narrative explaining how each concern has been or will be addressed.

The CAVP Academic Coordinating review group approved the pre-proposal for the Master of Science with a major in Artificial Intelligence Systems on November 9, 2021.

D. In the table below, provide a detailed overview and narrative of the institutional planning and approval process leading up to the submission of this proposal to the Board office. Include a chronology of all activities, providing the names and positions of both university personnel and external individuals who participated in these activities.

  • If the proposed program is a bachelor's level, provide the date the program was entered into the APPRiSe system, and, if applicable, provide narrative responding to any comments received from APPRiSe.
  • If the proposed program is a doctoral-level program, provide the date(s) of the external consultant’s review in the planning table. Include the external consultant’s report and the institution’s responses to the report as Appendix B.

<table>
<thead>
<tr>
<th>Date</th>
<th>Participants</th>
<th>Planning Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>09/24/2019</td>
<td>CAVP Academic Coordinating Group</td>
<td>Approval of the pre-proposal for the MS in Artificial Intelligence Systems.</td>
</tr>
<tr>
<td>09/09/2020</td>
<td>Paul Gader, chair (CISE, ESSIE), Alina Zare (ECE), David Hibbits (CHE), Hongcheng Liu (ISE), Michael Tonks (MSE), Nikolay Bliznyuk, co-Chair (ABE), Parisa Rashidi (BME), Ricardo Bevilacqua (MAE), Xilei Zhao (CCE), and Brenda Krames (Admin)</td>
<td>Committee purpose stated Introduction of members, all members are given access to Microsoft TEAM files, Nikolay Bliznyuk volunteers to Co-chair, Committee members are to suggest core and elective courses for the next meeting.</td>
</tr>
<tr>
<td>Date</td>
<td>Participants</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>-------------------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>09/15/2020</td>
<td>Gader, Bevilaqua, Bliznyuk, Hibblets, Hongcheng, Tonks, Zhao, and Krames</td>
<td>General core with flexible paths of study with related electives, reviewed and discussed core and elective courses suggested by members, need more core suggestions.</td>
</tr>
<tr>
<td>09/15/2020</td>
<td>Bliznyuk, Hibblets, Hongcheng, Tonks, Zare, Zhao, and Krames</td>
<td>Core courses to consider, Parisa Rashidi created a new template for courses to discuss, suggested tables organize courses that can be mixed and matched as desired, next meeting’s goal is to finalize core.</td>
</tr>
<tr>
<td>10/05/2020</td>
<td>Gader, Bliznyuk, Hibblets, Hongcheng, Tonks, Zare, Zhao, and Krames</td>
<td>Review of Core Courses: Ethics, Foundations of ML, ML, Advanced ML, Statistical ML offered as choices for ML core requirement, AI Systems – Rashidi will define the syllabus and bring a motion during the next meeting for core courses.</td>
</tr>
<tr>
<td>10/13/2020</td>
<td>Bevilaqua, Bliznyuk, Gader, Tonks, and Krames</td>
<td>Meeting was cut short, a brief description of ML syllabi and electives, committee member Hongcheng Liu will be replaced by Alexander Semenov.</td>
</tr>
<tr>
<td>10/19/2020</td>
<td>Bevilaqua, Bliznyuk, Gader, Hibblets, Rashidi, Semenov (ISE), Tonks, Zare, and Krames</td>
<td>AI Systems syllabus presented and edited, voted unanimously as a core course, ML course options passed unanimously as a core path of 3 options, Ethics voted unanimously as core option, more discussion about Deep Learning at next meeting.</td>
</tr>
<tr>
<td>10/26/2020</td>
<td>Gader, Rashidi, Reisi (ISE), Tonks, Zare, and Krames</td>
<td>Alexander Semenov is replaced by Mostafa Reisi, considering refreshing CAP 6615 for Deep Learning, Paul Gader will contact CISE about cross-listing, discussed topics of DL: transformers &amp; muppets, vote delayed for syllabus development.</td>
</tr>
<tr>
<td>11/02/2020</td>
<td>Bevilaqua, Bliznyuk, Gader, Hibblets, Rashidi, Reisi, Tonks, Zare, and Krames</td>
<td>Applied Deep Learning syllabus discussed and edited, approved by unanimous vote as a core course, bringing the total to 4 core courses, discussion of elective concentrations or general requirements: grade, admission and graduation requirements will be discussed next meeting.</td>
</tr>
<tr>
<td>11/10/2020</td>
<td>Bevilaqua, Bliznyuk, Gader, Hibblets, Rashidi, Reisi, Tonks, Zare, and Krames</td>
<td>Weekly meeting was cancelled, but committee members suggested elective courses by email to discuss at the next meeting.</td>
</tr>
<tr>
<td>11/16/2020</td>
<td>Bliznyuk, Rashidi, Reisi, Tonks, Zare, Zhao, and Krames</td>
<td>Electives were narrowed into 2 tables; a few courses will be evaluated for overlap with the core courses.</td>
</tr>
<tr>
<td>11/13/2020</td>
<td>Bliznyuk, Gader, Hibblets, Rashidi, Reisi, Tonks, Zare, and Krames</td>
<td>The following tasks were divided up among committee members to complete for the next meeting: electives language, project course options/syllabus, contacting CISE, Deep Learning Course (core), admission requirements, and graduation requirements.</td>
</tr>
<tr>
<td>11/20/2020</td>
<td>Bevilaqua, Bliznyuk, Gader, Hibblets, Rashidi, Reisi, Tonks, Zare, and Krames</td>
<td>Consensus on electives language, consensus on requiring Ethics course prior to the project, project syllabus proposed, tables 1 and 2 were checked for overlap. Courses will be checked for teaching status, project syllabus will be finalized, and CISE will be contacted about cross-coverage.</td>
</tr>
<tr>
<td>12/07/2020</td>
<td>Bevilaqua, Bliznyuk, Gader, Hibblets, Rashidi, Reisi, Tonks, Zare, and Krames</td>
<td>Consensus on graduation requirements for core and elective courses: 3.0 GPA, consensus that the transfer of credits only be allowed as a rare exception. Agreed to add optimization courses to Table 1 of electives before the next meeting.</td>
</tr>
<tr>
<td>12/14/2020</td>
<td>Bliznyuk, Rashidi, Reisi, Tonks, Zare, and Krames</td>
<td>Consensus on credit transfers, consensus on courses offered in Table 1 of electives, final meeting of committee members.</td>
</tr>
<tr>
<td>1/21/2021</td>
<td>Paul Gader zoomed with Dean Abernathy</td>
<td>Reviewed proposed curriculum. Dean suggested edits to the core courses. Another committee meeting will need to be planned to discuss and make changes to the required courses.</td>
</tr>
<tr>
<td>Date</td>
<td>Participants</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>-----------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>2/3/2021</td>
<td>Bliznyuk, Gader, Hibbits, Rashidi, Reisi, Tonks, Zare, and Krames</td>
<td>Committee met to discuss broadening the core. Consensus was reached on developing 4 buckets/bllocks of electives. Nikolay Bliznyuk will create a spreadsheet for committee members to sort electives.</td>
</tr>
<tr>
<td>2/19/2021</td>
<td>Gader, Dean Abernathy</td>
<td>Reviewed curriculum core and elective courses. Consensus: Computer Vision needs to be in the core. Edits will be presented to the committee.</td>
</tr>
<tr>
<td>3/9/2021</td>
<td>Bliznyuk, Gader, Rashidi, Zare, Zhao, and Krames</td>
<td>Dean Abernathy’s revision requests were updated in the curriculum and discussed by the committee. Dr. Zhao will check on the status of a new autonomous vehicle course and offer to upload it with the new courses. Committee members will submit revisions to Table 2 to be discussed and voted upon. Members agreed to meet next week.</td>
</tr>
<tr>
<td>3/16/2021</td>
<td>Bliznyuk, Gader, Rashidi, Zare, Zhao, and Krames</td>
<td>Committee approved Dr. Rashidi’s Table 2 concept., adjusted Table 1’s suggested course.</td>
</tr>
<tr>
<td>3/31/2021</td>
<td>Gader, Dean Abernathy</td>
<td>Curriculum edits.</td>
</tr>
<tr>
<td>4/9/2021</td>
<td>Gader, Dean Abernathy</td>
<td>Curriculum edits.</td>
</tr>
</tbody>
</table>

E. Provide a timetable of key events necessary for the implementation of the proposed program following approval of the program by the Board office or the Board of Governors, as appropriate, and the program has been added to the State University System Academic Degree Program Inventory.

Events Leading to Implementation

Please see page 10.
<table>
<thead>
<tr>
<th>Date</th>
<th>Implementation Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/19/2021</td>
<td>Curriculum and Artificial Intelligence Systems were uploaded into the Academic Approval System.</td>
</tr>
<tr>
<td>4/30/2021</td>
<td>Curriculum Committee approves moving forward with Conditions of defining the Project Course and obtaining a favorable consult with CISE.</td>
</tr>
<tr>
<td>5/4/2021</td>
<td>Project in Artificial Intelligence Systems syllabus was uploaded into the Academic Approval System.</td>
</tr>
<tr>
<td>5/7/2021</td>
<td>Dr. Nishida, Dr. Gader and Brenda meet to debrief and formulate a plan for moving forward towards the Fall 2021 Curriculum Committee.</td>
</tr>
<tr>
<td>5/20/2021</td>
<td>Dr. Nishida, Dr. Gader and Brenda meet to review changes made to the proposal. Dr. Gader will reach out to Christina Gardner-McCune with CISE for a consult. Brenda will contact Kim Jacobs requesting permission to incorporate her study on data demand for artificial intelligence as part of Section II: Need and Demand. Weekly meetings are set up to maintain momentum.</td>
</tr>
<tr>
<td>6/29/2021</td>
<td>Library Resource Evaluation received, with signature of Library Director</td>
</tr>
<tr>
<td>9/14/2021</td>
<td>Syllabi for Applied Deep Learning and Project in Artificial Intelligence Systems were sent to Serdar Kirili and Hans van Oostrom for review.</td>
</tr>
<tr>
<td>9/30/2014</td>
<td>As advised, revisions were made to syllabi for Applied Deep Learning and Project in Artificial Intelligence Systems by Dr. Rashidi.</td>
</tr>
<tr>
<td>10/1/2021</td>
<td>Revised syllabi for Applied Deep Learning and Project in Artificial Intelligence Systems were uploaded to the Academic Approval site.</td>
</tr>
<tr>
<td>10/6/2021</td>
<td>Favorable consult received from Arunava Banjerjee in CISE for Artificial Intelligence Systems. Projects in AI Systems and Applied Deep Learning new course proposals were tabled. Formal request for a consult from ECE about Projects in AI Systems and Applied Deep Learning was requested by Curriculum Committee.</td>
</tr>
<tr>
<td>11/23/2021</td>
<td>Committee members meet to discuss changes. Dr. Rashidi is assigned as Chair, relieving Dr. Gader due to family bereavement. New course, Machine Learning for AI Systems, was uploaded into the approval system.</td>
</tr>
<tr>
<td>12/6/2021</td>
<td>Favorable ECE Consult for Machine Learning for AI Systems.</td>
</tr>
<tr>
<td>12/8/2021</td>
<td>New course description provided by Dr. Silva for EGN 5XXX Machine Learning for AI Systems was uploaded into the approval system.</td>
</tr>
<tr>
<td>1/7/2022</td>
<td>Machine Learning for AI Systems approved by College of Engineering</td>
</tr>
<tr>
<td>1/10/2022</td>
<td>Artificial Intelligence Systems was recycled for Dept-level Re-review Project in Artificial Intelligence Systems was recycled for Dept-level Re-review Master of Science with a degree in Artificial Intelligence Systems was recycled for Dept-level Re-review</td>
</tr>
<tr>
<td>1/18/2022</td>
<td>Machine Learning for AI Systems approved by HWCOE Curriculum Committee and Faculty Council</td>
</tr>
<tr>
<td>1/21/2022</td>
<td>Artificial Intelligence Systems - Approved by EED Project in Artificial Intelligence Systems - Approved by EED Applied Deep Learning - Approved by EED Master of Science with a degree in Artificial Intelligence Systems conditionally Approved, needs one slight modification in the representations of the degree program paths at end of document to make sure those choosing the ABE course have a path to completion.</td>
</tr>
<tr>
<td>2/21/2022</td>
<td>Curriculum Committee requested clarification on suggested course sequences about a realistic number of prerequisites.</td>
</tr>
<tr>
<td>3/7/2022</td>
<td>Curriculum-3-7-2022 uploaded to approval system with clarification on prerequisites.</td>
</tr>
<tr>
<td>3/10/2022</td>
<td>Overall Review with the Engineering Faculty Council (EFC)</td>
</tr>
<tr>
<td>4/6/2022</td>
<td>Master of Science with a major in Artificial Intelligence Systems is approved by College Curriculum Committee and at College Spring Faculty Meeting</td>
</tr>
</tbody>
</table>
Institutional and State Level Accountability

III. Need and Demand

A. Describe the workforce need for the proposed program. The response should, at a minimum, include the following:

- current state workforce data as provided by Florida’s Department of Economic Opportunity
- current national workforce data as provided by the U.S. Department of Labor’s Bureau of Labor Statistics
- requests for the proposed program from agencies or industries in your service area
- any specific needs for research and service that the program would fulfill

An occupational data search on the Florida Department of Economic Opportunity (DEO) website projects a growth rate of 20.6% for Computer and Information Systems managers, including artificial intelligence. At the time of the search (6/11/2022), there were 17,028 openings with a median income of $65.61/hour. [https://floridajobs.org/economic-data/employment-projections/occupational-data-search](https://floridajobs.org/economic-data/employment-projections/occupational-data-search)

The U.S. Department of Labor and Statistics Occupational Outlook Handbook found at [https://www.bls.gov/ooh/](https://www.bls.gov/ooh/) projects that employment in computer and information (artificial intelligence) technology occupations will grow 13 percent from 2020 to 2030, with about 667,600 new jobs. This is faster than the average for all occupations.

The interdisciplinary M.S. in AI Systems degree is part of an industry aligned and designed AI outreach and workforce development strategy. An industry survey of AI Workforce Needs sought direct feedback on desired skills, competencies, and credentials in new hires. Among 127 responses, 42% of the respondents indicated AI skills are a factor in hiring decisions, climbing to 72% in 2-5 years. The same survey further elaborated that the AI enabled workforce must be very knowledgeable in critical data analysis (86%), database navigation (71%), and integration with cloud-based systems (65%). The program will help meet industry needs for a workforce that is trained in AI systems.

The proposed Master of Science with a major in Artificial Intelligence Systems would support a large increase in the number of incoming graduate students interested in AI applications. In addition to an increase in graduate student interest, there is an interest in incorporation of AI methods in research across the university. The proposed program would help to train graduate students who could contribute to those research efforts.
B. Provide and describe data that support student demand for the proposed program. Include questions asked, results, and other communications with prospective students.

A recent survey compiled based on responses from eight different industry sectors found 72% anticipate that AI skills will be a factor in hiring decisions within the next 2-5 years. Several computing skills were considered as moderately to extremely important among the workforce, including familiarity with data privacy principles (90.7%), cybersecurity principles (90.9%), IoT (75%), and computer networks (80%). When asked to indicate the degree to which their AI-enabled workforce needs to be knowledgeable, the following were cited as moderately to extremely important: the ability to critically analyze data (93.9%), integration with cloud systems (81%), and data storage, integrity, validation (78.4%).

Demand for artificial intelligence-related graduate courses is very high. Enrollment in the introductory artificial intelligence-related graduate courses at the University of Florida in Computer & Information Science & Engineering (CISE) and Electrical and Computer Engineering (ECE) has been as high as 120 and 160 students per class. Many of these students are from engineering departments other than CISE and ECE. The CISE and ECE students are interested in the underlying theory and computational methods, whereas other engineering students are interested in best practices in artificial intelligence using software and analyzing the products produced by the software. Therefore, other engineering students would be much more likely to take application-oriented courses, including working professional engineers, in fields such as agricultural and biological engineering, biomedical engineering, civil engineering, environmental engineering, and transportation engineering.
C. Complete Appendix A – Table 1 (1-A for undergraduate and 1-B for graduate) with projected student headcount (HC) and full-time equivalents (FTE).

- Undergraduate FTE must be calculated based on 30 credit hours per year
- Graduate FTE must be calculated based on 24 credit hours per year

In the space below, provide an explanation for the enrollment projections. If students within the institution are expected to change academic programs to enroll in the proposed program, describe the anticipated enrollment shifts and impact on enrollment in other programs.

The annual headcount/FTE projections are 20/14, 40/28, 60/42, 80/56, and 80/56 for the next 5 years. As stated in Section B, the demand for artificial intelligence-related graduate courses is extremely high. Enrollment in the introductory machine learning-related graduate courses at the University of Florida in Computer & Information Science & Engineering (CISE) and Electrical and Computer Engineering (ECE) has been as high as 120 and 160 students per class.

Since this M.S. is an interdisciplinary program, it will not cause a reduction in the enrollment rate in the home departments. The new degree program will lead to increased enrollments for new Master of Science engineering graduate students in the home departments who seek a working knowledge of artificial intelligence techniques/software and discipline-specific applications of artificial intelligence for building AI systems in industry-relevant engineering applications. These new graduate students include individuals with strong computing backgrounds who have recently graduated from preceding degree programs at UF and from preceding degree programs at other Florida public universities and professional engineers from agencies/industries in the service area seeking to up-skill/reskill.

See page 35 for Appendix A.

D. Describe the anticipated benefit of the proposed program to the university, local community, and the state. Benefits of the program should be described both quantitatively and qualitatively.

There is a growing demand for artificial intelligence systems in engineering fields, with at least 180,000 new jobs projected to be created by 2028 (section I.A). Data science, machine learning, and artificial intelligence fields together are expected to add an annual average contribution to global productivity growth of about 1.2 percent, according to the report by the McKinsey Global Institute [5]. Thus, students graduating with a M.S. degree with a major in Artificial Intelligence Systems are expected to be successfully employed in related positions in industry. This will include companies in different sectors such as tech, consumer products, aerospace, defense, pharmaceutical, and manufacturing, including Google, Amazon, IBM, Procter & Gamble, General Electric (GE), Lockheed Martin, among others. Within the state of Florida, there are jobs available at companies such as L3Harris Technologies (Melbourne, FL), CAE USA OPIE Software (Gainesville, FL), as well as local and regional startup companies. Beyond the economic benefits, program graduates in specialization...
areas such as environmental engineering or agricultural and biological engineering can impact the state and local community by utilizing data science in sustainability and conservation projects such as coastal aquatic resource management, which is vital to the Florida economy and environment.

Reference:

E. If other public or private institutions in Florida have similar programs that exist at the four- or six-digit CIP Code or in other CIP Codes where 60 percent of the coursework is comparable, identify the institution(s) and geographic location(s). Summarize the outcome(s) of communication with appropriate personnel (e.g., department chairs, program coordinators, deans) at those institutions regarding the potential impact on their enrollment and opportunities for possible collaboration in the areas of instruction and research.

At the CIP code 11.102 artificial intelligence, there are two approved M.S. degrees in the Currently Approved Program Inventory of the State University System by FAU (Artificial Intelligence, MS) and UCF (Computer Vision, MS). The MS program at UCF is solely focused on Computer Vision and thus is not providing an encompassing training in AI systems. The MS program at FAU is focused on foundation of AI for computer science students and is not directed at building encompassing and full-stack AI systems. It is noted that FAU also has a Master of Science in “Data Science and Analytics” (CIP 30.0601), jointly administered between Charles E. Schmidt College of Science, the College of Engineering & Computer Science, the College of Business, and the Dorothy F. Schmidt College of Arts & Letters. It includes a specialization in Data Science and Engineering. However, the courses in the Data Science and Engineering specialization are not associated with applications to non-computing engineering fields, e.g., agricultural and biological engineering, biomedical engineering, civil engineering, environmental engineering, and transportation engineering. Similarly, existing M.S. degrees in Data Science have specializations in predominantly CS areas, with some also including business or biostatistics. The proposed M.S. with a major in Artificial Intelligence Systems is unique in its sole focus on building encompassing and full-stack AI systems for engineering applications.

F. Describe the process for the recruitment and retention of a diverse student body in the proposed program. If the proposed program substantially duplicates a program at FAMU or FIU, provide a letter of support from the impacted institution(s) addressing how the program will impact the institution’s ability to attract students of races different from that which is predominant on the FAMU or FIU campus. The institution’s Equal Opportunity Officer shall review this Section of the proposal, sign, and date the additional signatures page to indicate that all requirements of this section have been completed.

The applicant pool for the Master of Science with a major in Artificial Intelligence Systems will consist of students with strong computing backgrounds and B.S. degrees in areas such as computer engineering or science, industrial and systems engineering, or physics.

Students working toward a Ph.D. in other engineering fields, such as agricultural and
biological, biomedical, civil, and coastal, chemical, electrical, environmental, mechanical, and aerospace, and materials science engineering may also be interested in and qualified to pursue this degree.

Diverse students will be recruited through the Engineering National Graduate Institutional Name Exchange (ENGINE), the national McNair Scholars list, GEM Consortium Membership, engineering student societies (i.e., American Indian Science and Engineering Society (AISES), National Society of Black Engineers (NSBE), Out in Science, Technology, Engineering, and Mathematics (oSTEM), Society of Hispanic Professional Engineers (SHPE), Society of Women Engineers (SWE), etc.), GRE Search Service, National Name Exchange, and State of Florida Public University student access.

The diversity of students in non-computing engineering fields is greater than in computing engineering fields which will help to increase the diversity of students trained in artificial intelligence. This program is not a duplication of a program at FAU or UCF, and, therefore, the program will not compete with FAU or UCF, but instead, it will work directly with these institutions to grow underrepresented students’ participation in artificial intelligence in the SUS.

IV. Curriculum

A. Describe all admission standards and all graduation requirements for the program. Hyperlinks to institutional websites may be used to supplement the information provided in this subsection; however, these links may not serve as a standalone response. For graduation requirements, please describe any additional requirements that do not appear in the program of study (e.g., milestones, academic engagement, publication requirements).

To be admitted into the M.S. program, students must have a B.S. in Engineering from an ABET-accredited program (or equivalent technical background such as physics, math, or statistics), a strong computing background with proficiency in one or more modern programming languages such as Python, and meet these general graduate school requirements:

- GPA: Minimum of 3.0 for all upper-level courses
- GRE: Waived

International applicants are exempt from the English proficiency requirement after completing one academic year at a recognized, regionally accredited university or college in a country where English is the official language. Students will have to meet all requirements of the University of Florida Graduate School Admissions and the following requirements:

- TOEFL: 550 on paper-based; (213 on computer-based; 80 on Internet-based)
- TOEFL may be substituted with IELTS: 6 or MELAB: 77

Transfer of credits from another institution or program to count towards the M.S. degree is only accepted “under extraordinary circumstances” through a formal petition process. It will be subject to the limits and conditions set forth by the UF Graduate School and Herbert Wertheim College of Engineering. Petitions for transfer of credit should be made during the student’s first term of enrollment in the M.S. program. No more than nine credits (earned with a grade of A, A-, B+, or B) may be transferred from institutions approved for this purpose. Only graduate-level (5000-
7999) work is eligible for transfer of credit. Acceptance of credit transfer requires the approval of the M.S. committee and the Dean of the Graduate School.

The appropriate grade point requirements for graduation are:
1. A minimum grade of 3.00 (B or higher) in each core course (in the absence of the qualifying exam)
2. An overall GPA of 3.00 (truncated) or higher across all eligible courses applied to the M.S. degree
3. A major GPA of 3.00 (truncated) or higher
4. A minor GPA of 3.00 (truncated) or higher, if appropriate.

B. Describe the specific expected student learning outcomes associated with the proposed program. If the proposed program is a baccalaureate degree, include a hyperlink to the published Academic Learning Compact and the document itself as Appendix C.

Student Learning Outcomes (SLOs) for the Master of Science with a major in Artificial Intelligence Systems Program. For the program to meet the outcome, it is expected that >70% of students score 80% or higher.

<table>
<thead>
<tr>
<th>Learning Outcomes</th>
<th>Assessment Method/Measure</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLO 1: To analyze, design, implement, and evaluate an AI systems solution to meet a given set of system requirements.</td>
<td>Successful completion of the final assignment in the “Artificial Intelligence Systems” course.</td>
</tr>
<tr>
<td>SLO 2: 3. To recognize professional responsibilities and make informed decisions when developing AI systems based on legal, ethical, and policy principles.</td>
<td>Successful completion of the final assignment in “AI, Machine Learning and Ethics in Law and Regulation”</td>
</tr>
<tr>
<td>SLO 3: 3. To function effectively as a member of a team engaged to develop an AI systems solution.</td>
<td>Successful presentation of the final project in the “Project in Artificial intelligence Systems” course.</td>
</tr>
</tbody>
</table>

The Master of Science with a major in Artificial Intelligence Systems degree will provide students with a working knowledge of techniques and software commonly used in Artificial Intelligence Systems. The degree is designed for students with strong analytical and computing backgrounds. For example, students with strong computing backgrounds and B.S. degrees in areas such as computer engineering or science, industrial and systems engineering, or physics would qualify to pursue this degree. Students working toward a Ph.D. in other engineering fields, such as agricultural and biological, biomedical, civil and coastal, chemical, electrical, environmental, mechanical, and aerospace and materials science engineering, may also be interested in and qualified to pursue this degree.

C. If the proposed program is an AS-to-BS capstone, provide evidence that it adheres to the guidelines approved by the Articulation Coordinating Committee for such programs, as outlined in State Board of Education Rule 6A-10.024. Additionally, please list the prerequisites, if any, and identify the specific AS degrees that may transfer into the proposed program.

☒ Not applicable to this program because it is not an AS-to-BS Capstone.
D. Describe the curricular framework for the proposed program, including the following information where applicable:

- total number of semester credit hours for the degree
- number of credit hours for each course
- required courses, restricted electives, and unrestricted electives
- a sequenced course of study for all majors, concentrations, tracks, or areas of emphasis

The proposed Master of Science with a major in Artificial Intelligence Systems is a 30-credit hour, non-thesis degree that consists of a set of 6 core courses (18 credit hours), one project course (3 credit hours), and 3 electives options selected from Table 1 (9 credit hours). The students will also have the option to have a committee chair/program faculty advisor reflected in UF GIMS.

The 6 core courses are in the following areas:

- AI Systems – course number pending at the Office of the Registrar
- Deep Learning – e.g., EGN 6217, EEE 5502
- Ethics - LAW 6930
- Fundamental Machine Learning - e.g., EGN 5216, EEE 5776, EEE 677
- Security - e.g., CIS 6930, EEL 5739, EEE 6561, EEE 6512
- Sensing and Analysis - e.g., EEL 5406, EEE 6512

The selection of 3 elective options must include at least 1 course from one of the following areas:

- Advanced Machine Learning and Data Driven Modeling - e.g., BME 6938, CAP 6617, EEL 5840, EEL 6814, EEL 6825, EEE 6504, ESI 6355, ESI 6492, STA 6703
- Autonomy, Robotics, and Human-Centered Computing - e.g., ABE 6005, CAP 5108, CEN 5726, EML 6351

Three Suggested Course Sequences:

- Table A.1 Autonomy, Robotics, and Human-Centered Computing, p. 17
- Table A.2 Computer Vision and Deep Learning, p. 18
- Table A.3 Machine Learning and Data Analytics, p. 18

Some of the suggested elective courses might require additional prerequisites; students are advised to consult with academic advisors before taking such courses.
Table A.1: A Suggested Sequence for M.S. Core and Elective Courses that focuses on Autonomy, Robotics, and Human-Centered Computing

This sample sequence is fulfilled without the need to take additional electives EEE 5502 and EML 6350.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Term 1</th>
<th>Term 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core: Machine Learning</td>
<td>Core: Sensing and Analysis</td>
<td></td>
</tr>
<tr>
<td>EGN 5216 Machine Learning for Artificial Intelligence Systems</td>
<td>EEL 5406 Computational Photography</td>
<td></td>
</tr>
<tr>
<td>Core: Security</td>
<td>Core: Deep Learning:</td>
<td></td>
</tr>
<tr>
<td>EEL 5739 IoT Security and Privacy</td>
<td>EGN 6217 Applied Deep Learning</td>
<td></td>
</tr>
<tr>
<td>Elective: (AR-HCC)</td>
<td>Project:</td>
<td></td>
</tr>
<tr>
<td>CAP 5108 Research Methods for Human Centered Computing</td>
<td>Project in Artificial Intelligence Systems*</td>
<td></td>
</tr>
<tr>
<td>Year 2</td>
<td>Elective: (AML-DDM)</td>
<td>Elective: (AR-HCC)</td>
</tr>
<tr>
<td>STA 6703 Statistical Machine Learning or EEL 5840 Foundations of Machine Learning</td>
<td>CEN 5726 Natural User Interaction: or Elective: (AR-HCC)</td>
<td></td>
</tr>
<tr>
<td>Core: Artificial Intelligence Systems*</td>
<td>ABE 6005 Applied Control for Automation and Robotics</td>
<td></td>
</tr>
</tbody>
</table>

*Indicates new course currently pending in the UF Academic Approval process.
Table A.2: A Suggested Sequence for M.S. Core and Elective Courses that focuses on Computer Vision and Deep Learning.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Term 1</th>
<th>Term 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Core: Deep Learning</td>
<td>Core:</td>
</tr>
<tr>
<td></td>
<td>EGN 6217 Applied Deep Learning</td>
<td>LAW 6930 AI, Machine Learning and Ethics in Law and Regulation</td>
</tr>
<tr>
<td></td>
<td>EEE 5502 Digital Signal Processing</td>
<td>Core: Sensing and Analysis</td>
</tr>
<tr>
<td></td>
<td>Core: Machine Learning</td>
<td>EEE 6512 Image Processing and Computer Vision</td>
</tr>
<tr>
<td></td>
<td>EGN 5216 Machine Learning for Artificial Intelligence Systems</td>
<td>Core:</td>
</tr>
<tr>
<td></td>
<td>Elective: Sensing and Analysis</td>
<td>Artificial Intelligence Systems*</td>
</tr>
<tr>
<td></td>
<td>EEL 5406 Computational Photography</td>
<td></td>
</tr>
</tbody>
</table>

*Indicates new course currently pending in the UF Academic Approval process.

Table A.3: A Suggested Sequence for M.S. Core and Elective Courses that focuses on Machine Learning and Data Analytics.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Term 1</th>
<th>Term 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Core: Security</td>
<td>Core:</td>
</tr>
<tr>
<td></td>
<td>CIS 6930 Trustworthy Machine Learning</td>
<td>LAW 6930 AI, Machine Learning and Ethics in Law and Regulation</td>
</tr>
<tr>
<td></td>
<td>Core: Machine Learning</td>
<td>Elective: (AML-DDM)</td>
</tr>
<tr>
<td></td>
<td>EGN 5216 Machine Learning for Artificial Intelligence Systems</td>
<td>STA 6703 Statistical Machine Learning or EEL 5840 Foundations of Machine Learning</td>
</tr>
<tr>
<td></td>
<td>EEL 6825 Pattern Recognition and Intelligent Systems</td>
<td>Core: Deep Learning</td>
</tr>
<tr>
<td></td>
<td>Elective: (AML-DDM)</td>
<td>EGN 6217 Applied Deep Learning</td>
</tr>
<tr>
<td></td>
<td>BME 6938 Biomedical Data Science</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective: (AML-DDM)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CAP 5108 Research Methods for Human Centered Computing</td>
<td></td>
</tr>
</tbody>
</table>

*Indicates new course currently pending in the UF Academic Approval process.
E. Provide a brief description for each course in the proposed curriculum.

Core Course Descriptions:

Ethics:
- LAW 6930 AI, Machine Learning and Ethics in Law and Regulation: (3 credit hours)
  Prerequisite: None
  Description: Introduces students to the legal, policy, and ethical dimensions of AI, big data, predictive analytics, and related techniques.

Fundamental Machine Learning:
- EGN 5216 Machine Learning for Artificial Intelligence Systems: (3 credit hours)
  Prerequisites: General knowledge of calculus, probability and statistics, linear algebra, and familiarity with at least one programming language.
  Description: This course aims to provide a framework to develop real-world machine learning systems that are deployed, reliable, and scalable. The focus of this course is to introduce basic modules of machine learning systems, namely, data management, data engineering, approaches to model selection, training, scaling, monitoring, and deploying to machine learning systems.

Deep Learning: (Select 1 of these 2 options)
- CAP 6615 Neural Networks for Computing: (3 credit hours)
  Prerequisite: CAP 5635, familiarity with basic concepts in calculus, linear algebra, and probability theory
  Description: Neural network models and algorithms. Adaptive behavior, associative learning, competitive dynamics, and biological mechanisms.
- EGN 6217 Applied Deep Learning: (3 credit hours)
  Prerequisite: EGN 5216
  Description: Covers the concepts, frameworks, and tools used for building deep learning models. It will also examine applications of deep learning systems in computer vision and natural language processing (NLP).

Artificial Intelligence Systems:
- Artificial Intelligence Systems*: (3 credit hours)
  Prerequisite: EGN 5216
  Description: Apply the concepts, frameworks, and tools used for building Artificial Intelligence (AI) systems in the real world. Examines the life cycle of AI systems and how such systems can be successfully deployed at scale and can be monitored in production.
  *New course currently pending in UF's Academic Approval System process.

Sensing and Analysis: (Select 1 of these 3 options)
- CAP 5416 Computer Vision: (3 credit hours)
  Prerequisites: MAC 2312 or Equivalent, COT 4501 or equivalent, and Proficiency in MATLAB or C++, or Java.
  Description: Introduction to image formation and analysis. Monocular imaging system projections, camera model calibration, and binocular imaging. Low-level vision techniques, segmentation and representation techniques, and high-level vision.
• EEE 6512 Image Processing and Computer Vision: (3 credit hours)
Prerequisites: EEE 5502
Description: Pictorial data representation; feature encoding; spatial filtering; image enhancement; image segmentation; cluster seeking; two-dimensional z-transforms; scene analysis; picture description language; object recognition; pictorial database; interactive graphics; picture understanding machine.

• EEL 5406 Computational Photography: (3 credit hours)
Prerequisite: EEL 3135 or equivalent
Description: Basics of computational photography, as it relates to applications in computer vision, graphics, and imaging. Teaches how models of light from radiometry and optics can be used to understand scene information from images, build novel sensors and create new photographs.

Security: (Select 1 of these 3 options):

• CIS 6930 Trustworthy Machine Learning: (3 credit hours)
Prerequisite: EGN 5216
Description: Introduces foundational concepts and recent developments at the intersection of machine learning with security and privacy.

• EEE 6561 Fundamentals of Biometric Identification: (3 credit hours)
Prerequisite: EEE 6512, Image Processing and Computer Vision.
Description: Methods and principles for the automatic identification/authentication of individuals. Technologies include fingerprint, face, and iris biometrics. Additional topics include biometric system design, performance evaluation, multi-modal biometric systems, and biometric system security.

• EEL 5739 IoT Security and Privacy: (3 credit hours)
Prerequisites: Programming experience and basic C programming
Description: Introduces the advanced topics of IoT security and privacy challenges and will systematically analyze IoT security from hardware, communication, and system perspectives.

Project:
• Project in Artificial Intelligence Systems*: (3 credit hours)
Prerequisites: EGN 6615, LAW 6930, EGN 5216, and Artificial Intelligence Systems*
Description: Students will learn to work as a team to identify problems that can be addressed using artificial intelligence (AI) systems, will design practical solutions to such problems, and will apply AI concepts, frameworks, and tools successfully to implement system solutions, while upholding ethical AI considerations.

*New course currently pending in UF’s Academic Approval System process.

Electives:

Table 1: Elective Course Options
Select 3 courses; selections must include at least 1 course from Group 1 and 1 course from Group 2:

• Group 1: AML-DDM: Advanced Machine Learning and Data-Driven Modeling,

• Group 2: AR-HCC: Autonomy, Robotics, and Human-Centered Computing,

• Group 3: UT: unrestricted technical electives. This group allows the students to take a technical elective course for greater curriculum flexibility. For example, a student interested in computer vision or robotics may take EEE 5502 (Foundations of Digital Signal Processing) or EML 6350 (Nonlinear Control) to expand the available course options for core and elective...
courses. The technical elective courses in this group must be chosen in coordination with the graduate advisor to ensure prerequisite fulfillment and to optimize for achieving student career goals (e.g., courses related to entrepreneurship).

This list is not an exhaustive list and may be subject to change. Some of the elective courses might require additional prerequisites; students are advised to consult with academic advisors before taking such courses.

<table>
<thead>
<tr>
<th>Advanced Machine Learning and Data Driven Modeling (AML-DDM)</th>
<th>BME 6938 Biomedical Data Science</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CAP 6617 Advanced Machine Learning</td>
</tr>
<tr>
<td></td>
<td>EEL 5840 Elements of Machine Intelligence or STA 6703 Statistical Machine Learning</td>
</tr>
<tr>
<td></td>
<td>EEL 6814 Deep Learning</td>
</tr>
<tr>
<td></td>
<td>EEL 6825 Pattern Recognition and Intelligent Systems</td>
</tr>
<tr>
<td></td>
<td>ESI 6492 Global Optimization</td>
</tr>
<tr>
<td></td>
<td>EEE 6504 Machine Learning for Time Series</td>
</tr>
<tr>
<td></td>
<td>ESI 6355 Decision Support Systems for Industrial &amp; Systems Engineering</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Autonomy, Robotics, and Human-Centered Computing (AR-HCC)</th>
<th>ABE 6005 Applied Control for Automation and Robotics</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CAP 5108 Research Methods for Human Centered Computing</td>
</tr>
<tr>
<td></td>
<td>CEN 5726 Natural User Interaction</td>
</tr>
<tr>
<td></td>
<td>EML 6351 Adaptive Control</td>
</tr>
</tbody>
</table>

**Brief Course Descriptions of Electives:**

**ABE 6005 Applied Control for Automation and Robotics:** (3 credit hours)
Prerequisites: EML 5311, equivalent, or consent.
Description: Introduction to industrial controls, programmable logic controllers, and manipulator application programming in agricultural and biological engineering. Kinematics, dynamics, and control strategies for serial link manipulators in agricultural applications.

**BME 6938 Biomedical Data Science:** (3 credit hours)
Prerequisite: None
Description: Covers the fundamental frameworks and tools used for applying data science techniques to biomedical problems.

**CAP 5108 Research Methods for Human-Centered Computing:** (3 Credit hours)
Prerequisites: working knowledge of basic concepts in probability and statistics with applications in electrical, mechanical, and civil engineering; discrete structures applications; basic concepts in probability and statistics with engineering applications; and data structures and algorithms
Description: Introduces the fundamental methods and techniques to evaluate technologies and collect data from humans, including experimental design, types of variables, types of errors, hypothesis testing,
survey design, behavioral and psychophysical methods.

**CAP 6617 Advanced Machine Learning**: (3 credit hours)
Prerequisite: CAP 6610
Description: Advanced concepts in developing computer programs that learn and improve with experience. Emphasis on methods based on probability, statistics, and optimization.

**CEN 5726 Natural User Interaction**: (3 credit hours)
Prerequisite: working knowledge of data structures and algorithms
Description: Introducing design, development, and evaluation of Natural User Interaction technologies. Key concepts include hardware-to-software NUI pipeline and considerations in NUI software.

**EEE 5502 Deep Signal Processing**: (3 credit hours)
Prerequisites: EEL 3135 or equivalent
Description: Explores how to transform data into new representations to better understand, compress, and leverage it. Includes a rigorous review of tools from Signals and Systems: sampling, convolution, and Fourier representations.

**EEE 6504 Machine Learning for Time Series**: (3 credit hours)
Prerequisites: EEL 5840
Description: Theory of adaptation with stationary signals; performance measures; LMS, RLS algorithms; Implementation issues and applications.

**EEE 5840 Elements of Machine Intelligence**: (3 credit hours)
Prerequisites: None
Description: Engineering and hardware concepts pertaining to the design of intelligent computer systems.

**EEE 6814 Deep Learning**: (3 credit hours)
Prerequisite: EEL 5840

**EEE 6825 Pattern Recognition and Intelligent Systems**: (3 credit hours)
Prerequisites: undergraduate-level signals and systems, undergraduate-level probability theory/stochastic processes, some exposure to MATLAB and C programming language, knowledge of basic matrix theory helpful, but not necessary
Description: Impart a working knowledge of several important and widely used pattern recognition topics to the students through a mixture of motivational applications and theory.

**EML 6351 Adaptive Control**: (3 credit hours)
Prerequisites: EML 6350
Description: Students will be introduced to topics including repetitive learning control, model reference adaptive control, Lyapunov-based adaptive control, Neural Network function approximation methods, composite and modular adaptive control, concurrent learning, and adaptive critic-based reinforcement learning control.

**ESI 6355 Decision Support Systems for Industrial & Systems Engineering**: (4 credit hours)
Prerequisite: Programming course in C++ or Java and operations research.
Description: Applications of decision support systems: developing and implementing systems arising in industrial and systems engineering using popular database management and spreadsheet software.
ESI 6492 Global Optimization: (3 credit hours)
Prerequisites: Linear and Nonlinear Programming or any equivalent

STA 6703 Statistical Machine Learning: (3 credit hours)
Prerequisites: Knowledge of linear algebra, multivariate calculus, calculus-based probability, and basic programming
Description: Methodology and application of tools of statistical ML, emphasizing statistical approaches to machine learning while prioritizing application and the intuition behind statistical methods rather than formal derivations and justification of the procedures.

For degree programs in medicine, nursing, and/or allied health sciences, please identify the courses that contain the competencies necessary to meet the requirements identified in Section 1004.08, Florida Statutes. For teacher preparation programs, identify the courses that contain the competencies necessary to meet the requirements outlined in Section 1004.04, Florida Statutes.

☒ Not applicable to this program because the program is not a medicine, nursing, allied health sciences, or teacher preparation program.

F. Describe any potential impact on related academic programs or departments, such as an increased need for general education or common prerequisite courses or increased need for required or elective courses outside of the proposed academic program. If the proposed program is a collaborative effort between multiple academic departments, colleges, or schools within the institution, provide letters of support or MOUs from each department, college, or school in Appendix D.

Since the proposed Master of Science with a major in Artificial Intelligence Systems is interdisciplinary within the Herbert Wertheim College of Engineering, the potential impacts of increased graduate student enrollment will be shared across its 11 departments.

G. Identify any established or planned educational sites where the program will be offered or administered. If the proposed program will only be offered or administered at a site(s) other than the main campus, provide a rationale.

Traditional delivery on campus.

H. Describe the anticipated mode of delivery for the proposed program (e.g., face-to-face, distance learning, hybrid). If the mode(s) of delivery will require specialized services or additional financial support, please describe the projected costs below and discuss how they are reflected in Appendix A – Table 3A or 3B.

Anticipated mode: Face-to-face
I. Provide a narrative addressing the feasibility of delivering the proposed program through collaboration with other institutions, both public and private. Cite any specific queries made of other institutions with respect to shared courses, distance/distributed learning technologies, and joint-use facilities for research or internships.

This proposed degree program will be traditional delivery on campus. There will not be collaborations at this point with other institutions.

J. Describe any currently available sites for internship and/or practicum experiences. Describe any plans to seek additional sites in Years 1 through 5.

☐ Not applicable to this program because the program does not require internships or practicums.

Local internship opportunities may be found at these websites:
- Gator CareerLink – Sign in (symplicity.com)
- Career Connections Center – Career Connection Center Main – career.ufl.edu
- Infotech – https://www.infotechinc.com/student-opportunities
- UF Innovate – https://innovate.research.ufl.edu/tech-licensing/fellows-program/
- UF Information Technology (UFIT) https://es.ufl.edu/internship-program/

National/international internship opportunities include:
- Amazon – Amazon.jobs – Search Intern
- Chegg – Traits AI, Inc. – Machine Learning Intern | Chegg Internships
- Facebook – The Artificial Intelligence (AI) Residency Program – Facebook AI
- IBM Intern – IBM Careers U.S. – Internships & Co-Ops
- Intel Internships – https://jobs.intel.com/page/show/internships
- Oracle Students and Grads – https://www.oracle.com/corporate/careers/students-grads/college/
- Virtual Internships Practicum Digital – https://sites.google.com/view/practicum-digital/welcome
V. Program Quality Indicators – Reviews and Accreditation

A. List all accreditation agencies and learned societies that would be concerned with the proposed program. If the institution intends to seek specialized accreditation for the proposed program, as described in Board of Governors Regulation 3.006, provide a timeline for seeking specialized accreditation. If specialized accreditation will not be sought, please provide an explanation.

Specialized accreditation is available from ABET, Inc. While ABET accreditation is crucial for undergraduate engineering programs, very few graduate engineering programs seek accreditation. None of UF’s engineering graduate programs are accredited by ABET. There is no need for specialized accreditation for licensure or certification for professional practice. We do not plan to seek specialized accreditation for this program.

B. Identify all internal or external academic program reviews and/or accreditation visits for any degree programs related to the proposed program at the institution, including but not limited to programs within academic unit(s) associated with the proposed degree program. List all recommendations emanating from the reviews and summarize the institution’s progress in implementing those recommendations.

The Electrical Engineering undergraduate program, which is a feeder for this M.S. program, was visited and reviewed in 2017 by ABET. No deficiencies, weaknesses, or concerns were found.

C. For all degree programs, discuss how employer-driven or industry-driven competencies were identified and incorporated into the curriculum. Additionally, indicate whether an industry or employer advisory council exists to provide input for curriculum development, student assessment, and academic-force alignment. If an advisory council is not already in place, describe any plans to develop one or other plans to ensure academic-workforce alignment.

The compiled information from EMSI, the Labor Market Analytics & Economic tool, was used to understand the educational needs of graduating students. EMSI data primarily focused on AI-related skills and understanding the job market needs. The committee also examined the 2020 HWCOE survey results of industry partners located in Florida and neighboring states to identify high demand AI skills by industry.

VI. Faculty Participation

A. Use Appendix A – Table 2 to identify existing and anticipated full-time faculty who will participate in the proposed program through Year 5, excluding visiting or adjunct faculty. Include the following information for each faculty member or position in Appendix A – Table 2:

- the faculty code associated with the source of funding for the position
- faculty member’s name
- highest degree held
- academic discipline or specialization
- anticipated participation start date in the proposed program
• contract status (e.g., tenure, tenure-earning, or multi-year annual [MYA])

• contract length in months

• percent of annual effort that will support the proposed program (e.g., instruction, advising, supervising)

This information should be summarized below in narrative form. Additionally, please provide the curriculum vitae (CV) for each identified faculty member in Appendix E.

It is anticipated that the following tenured faculty members will participate in the proposed program: Parisa Rashidi (Chair, BME), Paul Gader (CISE, ESSIE), Nikolay Bliznyuk (ABE), Alina Zare (ECE), Michael Tonks (MSE), and David Hibbits (CHE). Tenure-Track faculty, including Mostafa Reisi (ISE) and Xilei Zhao (CCE, ESSIE), and Non-Tenure lecturer, Catia Silva (ECE), are also anticipated to participate through Year 5.

B. Provide specific evidence demonstrating that the academic unit(s) associated with the proposed program have been productive in teaching, research, and service. Such evidence may include trends over time for average course load, FTE productivity, student HC in major or service courses, degrees granted, external funding attracted, and other qualitative indicators of excellence (e.g., thesis, dissertation, or research supervision).

Collectively, the list of achievements and awards received by the associated faculty members includes the Google Faculty Research Award, the National Institute of Health Trailblazer Award, National Science Foundation Faculty Early Career Development Program Award, National Academy of Engineering Frontiers of Engineering Award, Mitchell Max Award Finalist, IEEE Fellow, and University of Florida Research Foundation Professor and over 16 Patents.

The combined funded research awards for the 2020-2021 academic year are approximately $8.1 million by the following sponsors: National Science Foundation, UF Founders, US Department of Energy, PA State University, Cornell University, Argonne National Lab, UF Foundation, USC, National Institute of Health NIA, UF Division of Sponsored, US Army Research Office, Everglades National Park, Advanced Technology International, US Department of Agriculture National Institute of Food and Agriculture, Wilfred Laurier University, Woods Hole dba Woodwell Climate Research Center, Earth Science Information Partners, UF Division of Sponsored Research Strategic Initiative, and the UF Division of Sponsored Research Matching Funds.

The associated faculty members have served as M.S. and Ph.D. advisors. They collectively advised well over 50 Ph.D. students to graduation. The faculty have also taught major and service courses ranging from small class sizes (under 10) to classes of over 150 students in size.
VII. Budget

A. Use Appendix A – Table 3A or 3B to provide projected costs and associated funding sources for Year 1 and Year 5 of program operation. In narrative form, describe all projected costs and funding sources for the proposed program(s). Data for Year 1 and Year 5 should reflect snapshots in time rather than cumulative costs.

B. Use Appendix A – Table 4 to show how existing Education & General (E&G) funds will be reallocated to support the proposed program in Year 1. Describe each funding source identified in Appendix A – Table 4, and provide a justification below for the reallocation of resources. Describe the impact the reallocation of financial resources will have on existing programs, including any possible financial impact of a shift in faculty effort, reallocation of instructional resources, greater use of adjunct faculty and teaching assistants, and explain what steps will be taken to mitigate such impacts.

C. If the institution intends to operate the program through continuing education, seek approval for market tuition rate, or establish a differentiated graduate-level tuition, as described in Board of Governors Regulation 8.002, provide a rationale and a timeline for seeking Board of Governors’ approval.

☒ Not applicable to this program because the program will not operate through continuing education, seek approval for market tuition rate, or establish a differentiated graduate-level tuition

D. Provide the expected resident and non-resident tuition rate for the proposed program for both resident and non-resident students. The tuition rates should be reported on a per credit hour basis, unless the institution has received approval for a different tuition structure. If the proposed program will operate as a continuing education program per Board of Governors Regulation 8.002, please describe how the tuition amount was calculated and how it is reflected in Appendix A – Table 3B.

E. Describe external resources, both financial and in-kind support, that are available to support the proposed program, and explain how this amount is reflected in Appendix A – Table 3A or 3B.
VIII. Non-Faculty Resources

A. Describe library resources currently available to implement and/or sustain the proposed program through Year 5 below, including but not limited to the following:

- the total number of volumes and serials available in the discipline and related disciplines
- all major journals that are available to the university’s students

The Library Director must sign the additional signatures page to indicate that they have review Sections VIII.A. and VIII.B.

The Libraries of the University of Florida form the largest information resource system in the state of Florida. The libraries hold over 6.7M print volumes, 1.5M e-books, and provide access to over 148K full-text print and electronic journals, as well as over 1992 electronic databases. The George A. Smathers Libraries of the University of Florida, a system of six research libraries, includes libraries for sciences, humanities & social sciences, architecture & fine arts, education, and health sciences. Additional library resources are available in two specialized libraries, the UF Digital Collections and the Special & Area Studies Collection. Books and periodicals related to artificial intelligence and machine learning are primarily online resources. Any print resources are located primarily in the Marston Science Library.

Electronic books, journals, and many key databases, such as ACM Digital Library, IEEE Explore Digital Library, Web of Science, Proquest SciTech Collection, and others, are available via the internet to UF students, faculty, and staff. Many relevant databases are multidisciplinary and are funded centrally. The UF Libraries expend over $12.2 million annually on electronic resources. Listed below is a selection of the important journals available through UF Libraries for use by students pursuing a master’s in Artificial Intelligence Systems:

- Artificial intelligence
- Artificial Intelligence Review
- Big Data Research
- Foundations and Trends in Machine Learning
- International Journal of Data Science and Analytics
- Machine Learning
- SIGKDD Exploration
- ACM Transactions on Knowledge Discovery from Data
- IEEE Transactions on Fuzzy Systems
- IEEE Transactions on Neural Networks and Learning Systems
- IEEE Transactions on Pattern Analysis and Machine Intelligence
- Information Visualization
- Intelligent Data Analysis

Master of Science with a major in Artificial Intelligence Systems
• Journal of Data Mining and Knowledge Discovery
• Journal of Data Science
• Journal of Intelligent Information Systems
• Journal of Machine Learning Research
• Nature Machine Intelligence
• Pattern Recognition
• KAIS: Knowledge and Information Systems: An International Journal

In addition, there are a small yet growing number of open-access journals in the field; the content of these journals is freely available to readers and discoverable through the UF libraries catalog and journal databases. Here are three open-access journals related to data science:

• Journal of Robotics, Networking and Artificial Life
• Journal of Big Data (Springer Open)
• Transactions on Machine Learning and Data Mining

The Libraries hold memberships in a number of consortia and in institutions such as the Center for Research Libraries, ensuring access to materials not held locally. “Uborrow” service allows UF patrons to easily borrow materials from any other Florida state university or college library. Materials not held in UF collections and unavailable via Uborrow are procured through Interlibrary Loan. Interlibrary Loan requests are fulfilled at no cost to the library patron; participation in this library collection exchange program is paid for by the UF Libraries. All students, faculty, and staff may use interlibrary loan services.

With monies allocated through the Provost and the UF budgeting process, the library materials budget is determined by the Dean of Libraries in consultation with the Senior Associate Dean for Scholarly Resources & Research Services and subject specialist librarians. Standing subscriptions to journal literature and databases make up the majority of purchasing. Online research guides for all UF disciplines and many specific topics are available from the library website http://library.ufl.edu. Many online tutorials for specific databases are also available. Additionally, the UF Libraries offer consultations, workshops, and events throughout the year.

B. Discuss any additional library resources that are needed to implement and/or sustain the program through Year 5. Describe how those costs are reflected in Appendix A – Table 3A or 3B.

☐ Not applicable to this program because no additional library resources are needed to implement or sustain the proposed program.

A subscription to the O’Reilly Safari electronic platform is recommended, though not mandated. Safari provides a comprehensive collection of artificial intelligence and data science resources,
including content from other leading publishers in this field. The platform is also interactive, with hands-on learning experiences to support student acquisition of technical skills and knowledge. An annual subscription to Safari would be approximately $71,000. While the subscription is recommended, it is not included in the budget for years 1-5.

InCites Journal Citation Report curates a list of the highest-ranked 137 journals in the category of Computer Science and Artificial Intelligence. Although the library subscribes to most of the top journals on its list, we do not currently subscribe to the following:

- **Foundations and Trends in Machine Learning** ($740 annually)
- **Big Data** ($3,351 annually)
- **International Journal of Business Intelligence and Data Mining** ($1,195 annually)

While our present journal subscriptions will support the proposed major as currently defined, adding these journals to our ejournal collection would be helpful long term.

C. Describe any specialized equipment and space currently available to implement and/or sustain the proposed program through Year 5.

The proposed Master of Science with a major in Artificial Intelligence Systems degree program will use the extensive Graphics Processing Unit (GPU) resources provided by the Research Computing center. Research Computing operates HiPerGator, UF’s supercomputer, a cluster-based system with a combined capacity of about 46,000 cores in multi-core servers. The servers are part of an integrated InfiniBand fabric. The clusters share over 7 PetaBytes of distributed storage via the Lustre parallel file system. In addition, Research Computing houses about 2.8 PB of storage for the High Energy Physics collaboration of the Compact Muon Solenoid (CMS) experiment. The system includes 80 NVIDIA K80 GPUs for simulation, 560 NVIDIA GeForce RTX 2080ti, and 48 NVIDIA Quadro RTX 6000 GPUs for machine learning, deep learning, Artificial Intelligence, and simulation and modeling, available for exploratory and production research, as well as for training and teaching.

D. Describe any additional specialized equipment or space that will be needed to implement and/or sustain the proposed program through Year 5. Include any projected Instruction and Research (I&R) costs of additional space in Appendix A – Table 3A or 3B. Costs for new construction should be provided in response to Section X.E. below.

☒ Not applicable to this program because no new I&R costs are needed to implement or sustain the program through Year 5

E. If a new capital expenditure for instructional or research space is required, indicate where this item appears on the university’s fixed capital outlay priority list. Appendix A – Table 3A or 3B includes only I&R costs. If non-I&R costs, such as indirect costs affecting libraries and student services, are
expected to increase as a result of the program, describe and estimate those expenses in narrative form below. It is expected that high enrollment programs, in particular, would necessitate increased costs in non-I&R activities.

☒ Not applicable to this program because no new capital expenditures are needed to implement or sustain the program through Year 5.

F. Describe any additional special categories of resources needed to operate the proposed program through Year 5, such as access to proprietary research facilities, specialized services, or extended travel, and explain how those projected costs of special resources are reflected in Appendix A – Table 3A or 3B.

☒ Not applicable to this program because no additional special categories of resources are needed to implement or sustain the program through Year 5.

G. Describe fellowships, scholarships, and graduate assistantships to be allocated to the proposed program through Year 5, and explain how those are reflected in Appendix A – Table 3A or 3B.

☒ Not applicable to this program because no fellowships, scholarships and/or graduate assistantships will be allocated to the proposed program through Year 5.
IX. Required Appendices

The appendices listed in tables 1 & 2 below are required for all proposed degree programs except where specifically noted. Institutions should check the appropriate box to indicate if a particular appendix is included to ensure all program-specific requirements are met. Institutions may provide additional appendices to supplement the information provided in the proposal and list them in Table 4 below.

Table 1. Required Appendices by Degree Level

<table>
<thead>
<tr>
<th>Appendix</th>
<th>Appendix Title</th>
<th>Supplemental Instructions</th>
<th>Included?</th>
<th>Required for Degree Program Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Tables 1-4</td>
<td></td>
<td>X</td>
<td>Yes/No</td>
</tr>
<tr>
<td>B</td>
<td>Consultant’s Report and Institutional Response</td>
<td>Include a copy of the approved or proposed Academic Learning Compacts for the program</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>C</td>
<td>Academic Learning Compacts</td>
<td>Include a copy of the approved or proposed Academic Learning Compacts for the program</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>D</td>
<td>Letters of Support or MOU from Other Academic Units</td>
<td>Required only for programs offered in collaboration with multiple academic units within the institution</td>
<td>X</td>
<td>✔</td>
</tr>
<tr>
<td>E</td>
<td>Faculty Curriculum Vitae</td>
<td></td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>F</td>
<td>Common Prerequisite Request Form</td>
<td>This form should also be emailed directly to the BOG Director of Articulation prior to submitting the program proposal to the Board office for review.</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>G</td>
<td>Request for Exemption to the 120 Credit Hour Requirement</td>
<td>Required only for baccalaureate degree programs seeking approval to exceed the 120 credit hour requirement</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>H</td>
<td>Request for Limited Access Status</td>
<td>Required only for baccalaureate degree programs seeking approval for limited access status</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Appendix</td>
<td>Appendix Title</td>
<td>Description</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>----------------</td>
<td>-------------</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**APPENDIX A**

**TABLE 1-A**

**PROJECTED HEADCOUNT FROM POTENTIAL SOURCES**

(Baccalaureate Degree Program)

<table>
<thead>
<tr>
<th>Source of Students (Non-duplicated headcount in any given year)*</th>
<th>Year 1 HC</th>
<th>Year 1 FTE</th>
<th>Year 2 HC</th>
<th>Year 2 FTE</th>
<th>Year 3 HC</th>
<th>Year 3 FTE</th>
<th>Year 4 HC</th>
<th>Year 4 FTE</th>
<th>Year 5 HC</th>
<th>Year 5 FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper-level students who are transferring from other majors within the university**</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Students who initially entered the university as FTIC students and who are progressing from the lower to the upper level***</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Florida College System transfers to the upper level***</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Transfers to the upper level from other Florida colleges and universities***</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Transfers from out of state colleges and universities***</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Other (Explain)***</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

* List projected annual headcount of students enrolled in the degree program. List projected yearly cumulative ENROLLMENTS instead of admissions.

** If numbers appear in this category, they should go DOWN in later years.

*** Do not include individuals counted in any PRIOR CATEGORY in a given COLUMN.
## APPENDIX A
### TABLE 1-B
**PROJECTED HEADCOUNT FROM POTENTIAL SOURCES**
*(Graduate Degree Program)*

<table>
<thead>
<tr>
<th>Source of Students (Non-duplicated headcount in any given year)*</th>
<th>Year 1 HC</th>
<th>Year 1 FTE</th>
<th>Year 2 HC</th>
<th>Year 2 FTE</th>
<th>Year 3 HC</th>
<th>Year 3 FTE</th>
<th>Year 4 HC</th>
<th>Year 4 FTE</th>
<th>Year 5 HC</th>
<th>Year 5 FTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individuals drawn from agencies/industries in your service area (e.g., older returning students)</td>
<td>5</td>
<td>3.5</td>
<td>10</td>
<td>7</td>
<td>15</td>
<td>10.5</td>
<td>20</td>
<td>14</td>
<td>20</td>
<td>14</td>
</tr>
<tr>
<td>Students who transfer from other graduate programs within the university**</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Individuals who have recently graduated from preceding degree programs at this university</td>
<td>10</td>
<td>7</td>
<td>10</td>
<td>7</td>
<td>15</td>
<td>10.5</td>
<td>20</td>
<td>14</td>
<td>20</td>
<td>14</td>
</tr>
<tr>
<td>Individuals who graduated from preceding degree programs at other Florida public universities</td>
<td>5</td>
<td>3.5</td>
<td>10</td>
<td>7</td>
<td>15</td>
<td>10.5</td>
<td>15</td>
<td>10.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Individuals who graduated from preceding degree programs at non-public Florida institutions</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Additional in-state residents***</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Additional out-of-state residents***</td>
<td>0</td>
<td>0</td>
<td>5</td>
<td>3.5</td>
<td>10</td>
<td>7</td>
<td>10</td>
<td>7</td>
<td>10</td>
<td>7</td>
</tr>
<tr>
<td>Additional foreign residents***</td>
<td>0</td>
<td>0</td>
<td>5</td>
<td>3.5</td>
<td>10</td>
<td>7</td>
<td>15</td>
<td>10.5</td>
<td>15</td>
<td>10.5</td>
</tr>
<tr>
<td>Other (Explain)***</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td><strong>Totals</strong></td>
<td><strong>20</strong></td>
<td><strong>14</strong></td>
<td><strong>40</strong></td>
<td><strong>28</strong></td>
<td><strong>60</strong></td>
<td><strong>42</strong></td>
<td><strong>80</strong></td>
<td><strong>56</strong></td>
<td><strong>80</strong></td>
<td><strong>56</strong></td>
</tr>
</tbody>
</table>

* List projected annual headcount of students enrolled in the degree program. List projected yearly cumulative ENROLLMENTS instead of admissions.
** If numbers appear in this category, they should go DOWN in later years.
*** Do not include individuals counted in any PRIOR category in a given COLUMN.
For assistance with FTE calculation, check with UF Office of Institutional Research.
## APPENDIX A

### Table 2

**Anticipated Faculty Participation**

<table>
<thead>
<tr>
<th>Faculty Code</th>
<th>Faculty Name or &quot;New Hire&quot;</th>
<th>Highest Degree Held Academic Discipline or Specialty</th>
<th>Rank</th>
<th>Contract Status</th>
<th>Initial Date for Participation in Program</th>
<th>Mos. Contract Year 1</th>
<th>FTE Year 1</th>
<th>% Effort for Prg. Year 1</th>
<th>PY Year 1</th>
<th>Mos. Contract Year 5</th>
<th>FTE Year 5</th>
<th>% Effort for Prg. Year 5</th>
<th>PY Year 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Parisa Rashidi, PhD</td>
<td>Associate Professor</td>
<td>Tenured</td>
<td>Fall 2023</td>
<td>9</td>
<td>0.75</td>
<td>0.25</td>
<td>0.19</td>
<td>9</td>
<td>0.75</td>
<td>0.25</td>
<td>0.19</td>
<td>9</td>
</tr>
<tr>
<td>B</td>
<td>Paul Gader, PhD</td>
<td>Chair</td>
<td>Tenured</td>
<td>Fall 2023</td>
<td>9</td>
<td>0.75</td>
<td>0.00</td>
<td>0.00</td>
<td>9</td>
<td>0.75</td>
<td>0.25</td>
<td>0.19</td>
<td>9</td>
</tr>
<tr>
<td>A</td>
<td>Nikolay Bliznyuk, PhD</td>
<td>Associate Professor</td>
<td>Tenured</td>
<td>Fall 2023</td>
<td>9</td>
<td>0.75</td>
<td>0.00</td>
<td>0.00</td>
<td>9</td>
<td>0.75</td>
<td>0.25</td>
<td>0.19</td>
<td>9</td>
</tr>
<tr>
<td>A</td>
<td>Michael Tonks, PhD</td>
<td>Associate Professor</td>
<td>Tenured</td>
<td>Fall 2023</td>
<td>9</td>
<td>0.75</td>
<td>0.00</td>
<td>0.00</td>
<td>9</td>
<td>0.75</td>
<td>0.25</td>
<td>0.19</td>
<td>9</td>
</tr>
<tr>
<td>A</td>
<td>David Hibbits, PhD</td>
<td>Assistant Professor</td>
<td>Tenured</td>
<td>Fall 2023</td>
<td>9</td>
<td>0.75</td>
<td>0.00</td>
<td>0.00</td>
<td>9</td>
<td>0.75</td>
<td>0.25</td>
<td>0.19</td>
<td>9</td>
</tr>
<tr>
<td>A</td>
<td>Mostafa Reisi, PhD</td>
<td>Assistant Professor</td>
<td>Tenure-Track</td>
<td>Fall 2023</td>
<td>9</td>
<td>0.75</td>
<td>0.25</td>
<td>0.19</td>
<td>9</td>
<td>0.75</td>
<td>0.25</td>
<td>0.19</td>
<td>9</td>
</tr>
<tr>
<td>A</td>
<td>Catia Silva, PhD</td>
<td>Lecturer</td>
<td>Non-Tenured</td>
<td>Spring 2024</td>
<td>9</td>
<td>0.75</td>
<td>0.25</td>
<td>0.19</td>
<td>9</td>
<td>0.75</td>
<td>0.25</td>
<td>0.19</td>
<td>9</td>
</tr>
<tr>
<td>A</td>
<td>Alina Zare, PhD</td>
<td>Professor</td>
<td>Tenure</td>
<td>Fall 2023</td>
<td>9</td>
<td>0.75</td>
<td>0.00</td>
<td>0.00</td>
<td>9</td>
<td>0.75</td>
<td>0.25</td>
<td>0.19</td>
<td>9</td>
</tr>
<tr>
<td>A</td>
<td>Xilei Zhao, PhD</td>
<td>Assistant Professor</td>
<td>Tenure-Track</td>
<td>Fall 2023</td>
<td>9</td>
<td>0.75</td>
<td>0.25</td>
<td>0.19</td>
<td>9</td>
<td>0.75</td>
<td>0.25</td>
<td>0.19</td>
<td>9</td>
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</tbody>
</table>

| Total Person-Years (PY) | 0.75 | 1.69 |

<table>
<thead>
<tr>
<th>Faculty Code</th>
<th>Code Description</th>
<th>Source of Funding</th>
<th>FY Workload by Budget Classification</th>
<th>Year 1</th>
<th>Year 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Existing faculty on a regular line</td>
<td>Current Education &amp; General Revenue</td>
<td>0.75</td>
<td>1.69</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>New faculty to be hired on a vacant line</td>
<td>Current Education &amp; General Revenue</td>
<td>0.00</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>New faculty to be hired on a new line</td>
<td>New Education &amp; General Revenue</td>
<td>0.00</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Existing faculty hired on contracts/grants</td>
<td>Contracts/Grants</td>
<td>0.00</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>New faculty to be hired on contracts/grants</td>
<td>Contracts/Grants</td>
<td>0.00</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Existing faculty on endowed lines</td>
<td>Philanthropy &amp; Endowments</td>
<td>0.00</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>New faculty on endowed lines</td>
<td>Philanthropy &amp; Endowments</td>
<td>0.00</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Existing or New Faculty teaching outside of regular/tenure-track line course load</td>
<td>Enterprise Auxiliary Funds</td>
<td>0.00</td>
<td>0.00</td>
<td></td>
</tr>
</tbody>
</table>

**Overall Totals for** | 0.75 | 1.69 |
## APPENDIX A

### TABLE 3

PROJECTED COSTS AND FUNDING SOURCES

<table>
<thead>
<tr>
<th>Budget Line Item</th>
<th>Reallocated (E&amp;G) Year</th>
<th>Enrollment Growth (E&amp;G) Year</th>
<th>New Recurring (E&amp;G) Year</th>
<th>New Non-Recurring (E&amp;G) Year</th>
<th>Contracts &amp; Grants (C&amp;G) Year</th>
<th>Philanthropy / Endowments Year</th>
<th>Enterprise Auxiliary Funds Year</th>
<th>Subtotal Year 1</th>
<th>Continuing Base** (E&amp;G) Year</th>
<th>New Enrollment Growth (E&amp;G) Year</th>
<th>Other*** (E&amp;G) Year</th>
<th>Contracts &amp; Grants (C&amp;G) Year</th>
<th>Philanthropy / Endowments Year</th>
<th>Enterprise Auxiliary Funds Year</th>
<th>Subtotal Year 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty Salaries and Benefits</td>
<td>136,964</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$136,964</td>
<td>411,039</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>$411,039</td>
</tr>
<tr>
<td>A &amp; P Salaries and Benefits</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<td>0</td>
<td>0</td>
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<tr>
<td>USPS Salaries and Benefits</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<td>Other Personal Services</td>
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<tr>
<td><strong>Total Costs</strong></td>
<td><strong>$136,964</strong></td>
<td><strong>$0</strong></td>
<td><strong>$0</strong></td>
<td><strong>$0</strong></td>
<td><strong>$0</strong></td>
<td><strong>$0</strong></td>
<td><strong>$0</strong></td>
<td><strong>$0</strong></td>
<td><strong>$411,039</strong></td>
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<td><strong>$0</strong></td>
<td><strong>$0</strong></td>
<td><strong>$411,039</strong></td>
</tr>
</tbody>
</table>

Identify reallocation sources in Table 3. **Include recurring E&G funded costs ("reallocated base," "enrollment growth," and "new recurring") from Years 1-4 that continue into Year 5.

***Identify if non-recurring.

---

### Table 2 Column Explanations

- **Reallocated Base** (E&G): E&G funds that are already available in the university’s budget and will be reallocated to support the new program. Please include these funds in the Table 3 – Anticipated reallocation of E&G funds and indicate their source.
- **Enrollment Growth** (E&G): Additional E&G funds allocated from the tuition and fees trust fund contingent on enrollment increases.
- **New Recurring** (E&G): Recurring funds appropriated by the Legislature to support implementation of the program.
- **New Non-Recurring** (E&G): Non-recurring funds appropriated by the Legislature to support implementation of the program. Please provide an explanation of the source of these funds in the budget section (section III.A) of the proposal. These funds can include initial investments, such as infrastructure.
- **Contracts & Grants (C&G)**: Use this column for continuing education or market rate programs and provide a rationale in section III.B. in support of the selected tuition model.
- **Philanthropy / Endowments**: Funds provided through the foundation or other Direct Support Organizations (DSO) to support the program.
- **Enterprise Auxiliary Funds**: Use this column for continuing education or market rate programs and provide a rationale in section III.B. in support of the selected tuition model.
- **Continuing Base** (E&G): Includes the sum of columns 1, 2, and 3 over time.
- **New Enrollment Growth** (E&G): See explanation provided for column 2.
- **Other** (E&G): See explanation provided for column 5.
- **Enterprise Auxiliary Funds**: See explanation provided for column 6.
- **Total Positions** Year 1 Year 5: Faculty (person-years)
  - **0.75**: Year 1
  - **1.69**: Year 5
- **A & P (FTE)**: Not applicable
  - **0**: Year 1
  - **0**: Year 5
- **USPS (FTE)**: Not applicable
  - **0**: Year 1
  - **0**: Year 5

Calculated Cost per Student FTE

- **User Fee**: Annual Student FTE
  - **14**: Year 1
  - **56**: Year 5
- **E&G Cost per FTE**: $9,783 $7,340

---

Master of Science with a major in Artificial Intelligence Systems

Worksheet Table 3 Budget

DocuSign Envelope ID: 132213A9-CB38-42F4-9B1B-B6AAEBBE839A

181/489
### APPENDIX A

#### TABLE 4

**ANTICIPATED REALLOCATION OF EDUCATION GENERAL FUNDS**

<table>
<thead>
<tr>
<th>Program and/or E&amp;G account from which current funds will be reallocated during Year 1</th>
<th>Base before reallocation</th>
<th>Amount to be reallocated</th>
<th>Base after reallocation</th>
</tr>
</thead>
<tbody>
<tr>
<td>19xx-xxxx-101-CRRNT, Department E&amp;G Teaching Faculty Salary Funds</td>
<td>1,045,459</td>
<td>46,705</td>
<td>$998,754</td>
</tr>
<tr>
<td>19xx-xxxx-107-CRRNT, UF Preeminence Funds Teaching Faculty Salary</td>
<td>598,696</td>
<td>90,259</td>
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</tr>
<tr>
<td>0</td>
<td>0</td>
<td>$0</td>
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<td>0</td>
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<tr>
<td>Totals</td>
<td>$1,644,155</td>
<td>$136,964</td>
<td>$1,507,191</td>
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</table>

* If not reallocating E&G funds, please submit a zeroed Table 4
Appendix D
Departmental Consults

CISE for 16106 - AI Systems page 41
CISE for 16182 - Project in AI Systems page 45
CISE for 16819 - ML for AI Systems page 46
ECE for 16463 - Applied Deep Learning page 49
ECE for 16819 - ML for AI Systems page 51
Hi Toshi:

We have discussed this and are happy for it to move forward.

Thank you

-Arunava

---

From: Nishida,Toshi <nishida@eng.ufl.edu>
Sent: Thursday, August 26, 2021 11:20 AM
To: Banerjee,Arunava <arunava@ufl.edu>; Gader,Paul D <paul.gader@essie.ufl.edu>; Gilbert,Juan E <juan@ufl.edu>; Rangarajan,Anand <anand@cise.ufl.edu>
Cc: Krames,Brenda <bkrames@phhp.ufl.edu>; Jacoby,Kelly <kajacoby@ufl.edu>
Subject: Re: Consult for AI Systems course

Would it be possible to receive a reply by tomorrow, 8/27? The original consult request occurred on June 1.

Best,
Toshi

---

T. Nishida, Ph.D.
Associate Dean for Academic Affairs, Herbert Wertheim College of Engineering
Professor, Department of Electrical and Computer Engineering
Director, NSF Multi-functional Integrated System Technology (MIST) Center
Member, Interdisciplinary Microsystems Group
University of Florida
Gainesville, FL 32611
nishida@ufl.edu
http://www.img.ufl.edu and http://mist-center.org

---

From: Banerjee,Arunava <arunava@ufl.edu>
Sent: Wednesday, August 25, 2021 11:06 AM
To: Nishida,Toshi <nishida@eng.ufl.edu>; Gader,Paul D <paul.gader@essie.ufl.edu>; Gilbert,Juan E <juan@ufl.edu>; Rangarajan,Anand <anand@cise.ufl.edu>
Cc: Krames,Brenda <bkrames@phhp.ufl.edu>; Jacoby,Kelly <kajacoby@ufl.edu>
Subject: Re: Consult for AI Systems course

Thanks. Will do.
From: Nishida,Toshi <nishida@eng.ufl.edu>
Sent: Wednesday, August 25, 2021 11:02 AM
To: Gader,Paul D <paul.gader@essie.ufl.edu>; Gilbert,Juan E <juan@ufl.edu>; Rangarajan,Anand <anand@cise.ufl.edu>; Banerjee,Arunava <arunava@ufl.edu>
Cc: Krames,Brenda <bkrames@phhp.ufl.edu>; Jacoby,Kelly <kajacoby@ufl.edu>
Subject: Re: Consult for AI Systems course

Dear Arunava, cc: Juan,

I am forwarding an email that was sent to Christina that should be sent to you since you are taking over as CISE representative to the HWCOE Curriculum Committee while Christina is on sabbatical.

Could you please take a look at the email string below?

Thanks,
Toshi

T. Nishida, Ph.D.
Associate Dean for Academic Affairs, Herbert Wertheim College of Engineering
Professor, Department of Electrical and Computer Engineering
Director, NSF Multi-functional Integrated System Technology (MIST) Center
Member, Interdisciplinary Microsystems Group
University of Florida
Gainesville, FL 32611
nishida@ufl.edu
http://www.img.ufl.edu and http://mist-center.org

From: Nishida,Toshi <nishida@eng.ufl.edu>
Sent: Wednesday, August 25, 2021 9:49 AM
To: Gader,Paul D <paul.gader@essie.ufl.edu>; Gardner-McCune,Christina <gmccune@ufl.edu>; Gilbert,Juan E <juan@ufl.edu>; Rangarajan,Anand <anand@cise.ufl.edu>
Cc: Krames,Brenda <bkrames@phhp.ufl.edu>; Jacoby,Kelly <kajacoby@ufl.edu>
Subject: Re: Consult for AI Systems course

Dear Christina, Juan,

I wanted to follow up since the first curriculum committee meeting is coming up soon next week.

Could you please reply to the consult request for the Artificial Intelligence Systems course (syllabus attached)? The main purpose of the consult is receive feedback that could improve the course. The systems aspect of the AI Systems course should make the course complementary.

Thanks,
Toshi

T. Nishida, Ph.D.
Associate Dean for Academic Affairs, Herbert Wertheim College of Engineering
Professor, Department of Electrical and Computer Engineering
Director, NSF Multi-functional Integrated System Technology (MIST) Center
From: Gader, Paul D <paul.gader@essie.ufl.edu>

Sent: Wednesday, June 16, 2021 12:32 PM

To: Gardner-McCune, Christina <gmccune@ufl.edu>; Gilbert, Juan E <juan@ufl.edu>; Rangarajan, Anand <anand@cise.ufl.edu>

Cc: Nishida, Toshi <nishida@eng.ufl.edu>; Krames, Brenda <bkrames@phhp.ufl.edu>

Subject: Re: Consult for AI Systems course

Hi Christina, Juan, and Anand,

I can’t find an email responding to this. We are all busy in the summer but I hope we can get the consult finalized. I’d be happy to talk with someone about it in the next 1.5 weeks. After that I’ll be in North Carolina for 3 weeks.

Thanks and hope you are having a great summer!

Paul Gader, IEEE Fellow
Dean’s Harris Endowed Professor
Computer & Info Sci & Eng (CISE)
Eng School Sustainable Infrastructure & Environment (ESSIE)
University of Florida

Office: Weil Hall 575L
Email: pgader@ufl.edu
Website: https://faculty.eng.ufl.edu/computing-for-life
(C) 352-262-4267

From: Gader, Paul D <paul.gader@essie.ufl.edu>

Date: Tuesday, June 1, 2021 at 10:13

To: Gardner-McCune, Christina <gmccune@ufl.edu>, Gilbert, Juan E <juan@ufl.edu>, Rangarajan, Anand <anand@cise.ufl.edu>

Cc: Nishida, Toshi <nishida@eng.ufl.edu>, Krames, Brenda <bkrames@phhp.ufl.edu>, Zare, Alina <azare@ece.ufl.edu>, Rashidi, Parisa <parisa.rashidi@bme.ufl.edu>

Subject: Re: Consult for AI Systems course

Forgot to attach documents...

Paul Gader, IEEE Fellow
Dean’s Harris Endowed Professor
Computer & Info Sci & Eng (CISE)
Eng School Sustainable Infrastructure & Environment (ESSIE)
University of Florida

Office: Weil Hall 575L
From: Gader, Paul D <paul.gader@essie.ufl.edu>
Date: Tuesday, June 1, 2021 at 09:54
To: Gardner-McCune, Christina <gmccune@ufl.edu>, Gilbert, Juan E <juan@ufl.edu>,
Rangarajan, Anand <anand@cise.ufl.edu>
Cc: Nishida, Toshi <nishida@eng.ufl.edu>, Krames, Brenda <bkrames@phhp.ufl.edu>, Zare, Alina <azare@ece.ufl.edu>, Rashidi, Parisa <parisa.rashidi@bme.ufl.edu>
Subject: Consult for AI Systems course

Good morning Christina, Juan, and Anand,

Please see attached for the requested consult and supporting documents.
Thank you

Paul Gader, IEEE Fellow
Dean’s Harris Endowed Professor
Computer & Info Sci & Eng (CISE)
Eng School Sustainable Infrastructure & Environment (ESSIE)
University of Florida

Office: Weil Hall 575L
Email: pgader@ufl.edu
Website: https://faculty.eng.ufl.edu/computing-for-life
(C) 352-262-4267
The CISE curriculum committee has looked at the course "Project in Artificial Intelligence Systems." It has no concerns.

Sincerely,

-Arunava

On behalf of Paul Gader

To: Arunava Banerjee, Juan Gilbert
Fm: Paul Gader, Chair M.S. in Artificial Intelligence Systems
Re: Consult for Project in Artificial Intelligence Systems

As you know, a college-wide committee was formed this academic year to create a curriculum for an M.S. in Applied Artificial Intelligence. The degree program requires a project course to develop problem solving skills related to building AI systems.

I am writing on behalf of the committee to request a consult with CISE's department on a new course titled, Project in Artificial Intelligence Systems. The proposed curriculum is attached for your review.

Thank you!

Paul Gader, IEEE Fellow
Dean's Harris Endowed Professor
Computer & Info Sci & Eng (CISE)
Eng School Sustainable Infrastructure & Environment (ESSIE)
University of Florida

Office: Weil Hall 575L
Email: pgader@ufl.edu
Website: https://faculty.eng.ufl.edu/computing-for-life
(C) 352-262-4267
Brenda,

We have not heard anyone having any issues, so let’s include this email as our consultation evidence.

Thanks,

Parisa

---

Parisa Rashidi
Associate Professor, UF Term Professor,
Pruitt Family Endowed Fellow,
Co-Director, Intelligent Critical Care Center (IC3),
Director, Intelligent Health Lab,
PO Box 116130, Gainesville, FL 32611
New Engineering Building (NEB), 459
Office: (352)-392-9469
Pronouns: She/her
Website: http://www.bme.ufl.edu/labs/rashidi/
Google Scholar: https://scholar.google.com/citations?user=Rtej0F1AAAJ&hl=en
On Dec 8, 2021, at 10:46 AM, Rashidi, Parisa <parisa.rashidi@bme.ufl.edu> wrote:

Hi Juan,
I hope all is well. I wanted to follow up on the consultation request. Please let us know if you need anything on our side so we can move this forward.

Best,
Parisa

From: Gilbert, Juan E <juan@ufl.edu>
Sent: Monday, November 29, 2021 2:10 PM
To: Rashidi, Parisa <parisa.rashidi@bme.ufl.edu>
Cc: Rangarajan, Anand <anand@cise.ufl.edu>; Gardner-McCune, Christina <gmccune@ufl.edu>; Nishida, Toshi <nishida@eng.ufl.edu>; Krames, Brenda <bkrames@phhp.ufl.edu>; Banerjee, Arunava <arunava@ufl.edu>; Huang, Kejun <kejun.huang@ufl.edu>; Bindschaedler, Vincent <vbindschaedler@ufl.edu>
Subject: Re: Consult for Machine Learning for AI Systems

Hi Parisa! It’s good to hear from you. I hope you are doing well.

We will take a look at this and get back with you.

Thanks,

---
Juan E. Gilbert, Ph.D.
Andrew Banks Family Preeminence Endowed Professor & Chair
Computer & Information Science & Engineering Department
Herbert Wertheim College of Engineering
University of Florida
P.O. Box 116120
Gainesville, FL 32611
352.392.1527 (V)
352.273.0738 (F)
juan@ufl.edu
Twitter: @DrJuanGilbert
http://www.juanganilbert.com/

On Nov 29, 2021, at 1:37 PM, Rashidi, Parisa <parisa.rashidi@bme.ufl.edu> wrote:

Hi Christina, Juan, and Anand,
As you know, we are working towards the approval process of the curriculum for M.S. in Applied Artificial Intelligence. On behalf of the committee, I am seeking your advice on a new course, entitled “Machine Learning for AI Systems.” The course will be one of the core courses. The focus of the course is an introduction to “applied” machine learning. Please see attached for the requested consult and supporting documents. Thanks for your support!

Best,
Parisa

Parisa Rashidi
Associate Professor, UF Term Professor,
Pruitt Family Endowed Fellow,
Co-Director, Intelligent Critical Care Center (IC3),
Director, Intelligent Health Lab,
PO Box 116130, Gainesville, FL 32611
New Engineering Building (NEB), 459
Office: (352)-392-9469
Pronouns: She/her
Website: http://www.bme.ufl.edu/labs/rashidi/
Google Scholar: https://scholar.google.com/citations?user=Rtej0FIAAAAJ&hl=en
Dear Parisa,

Thank you for leading the charge on the AI systems MS degree and these new courses. Your work is much appreciated!

ECE is OK with this course with the one caveat that the prerequisite be the newly proposed Applied ML course and not:

Prereq: One (1) of three ML course options: CAP 6610, EEL 5840, or ABE 6933 Coreq: - N/A

My faculty already pointed out the recursive vs. recurrent typo. Finally, as you know, our faculty suggest that the course should be less ambitious and include fewer topics. This is just a suggestion and you can do with it what you like.

John

---

On Dec 6, 2021, at 8:29 AM, Krames,Brenda <bkrames@phhp.ufl.edu> wrote:

On behalf of Dr. Parisa Rashidi, Chair of MS in Artificial Intelligence Systems

To: Robert Fox, Alina Zare, John J. Harris

Re: Consult for course

Thank you so much for your valued input on the proposed Applied Deep Learning course. Based upon previous discussions, the committee has revised the syllabus for EGN-6XXX Applied Deep Learning and seeks ECE’s course approval.

When compared to the theoretically grounded introduction of deep learning courses currently offered by ECE/CISE, the purpose of this new course is to offer an “applied” perspective on deep learning with an emphasis on using tools and libraries and real-world use cases. Students can choose one of several courses - with Fundamentals of ML being just one many options. A list of available instructors has been added to the syllabus.

The description is below, and the syllabus is attached.
We look forward to your response!

**Course Description**
Covers the concepts, frameworks, and tools used for building deep learning models. It will also examine applications of deep learning systems in AI involving topics such as computer vision, natural language processing (NLP), speech recognition, sensor signal analysis, and security. (3 credit hours)

**Course Pre-Requisites / Co-Requisites**
Prereq: One (1) of three ML course options: CAP 6610, EEL 5840, or ABE 6933
Coreq: - N/A

**Brenda Krames**
Administrative Assistant II
352.273.6155 | HPNP 3152 | bkrames@phhp.ufl.edu

<EGN-6XXX-Applied-Deep-Learning-Revised (1).pdf>
Hi Parisa,

ECE approves this course. Thank you for leading this effort. I CCed Catia on this email since she may be the one who will end up teaching it.

One optional suggestion is to avoid listing particular algorithms in the course description since this list will change over time. It may be better to list general categories since these are less likely to change. Catia suggested the following course description:

(3 credits) This course aims to provide an iterative framework to develop real-world machine learning systems that are deployed, reliable, and scalable. The focus of this course is to introduce basic modules of machine learning systems, namely, data management, data engineering, approaches to model selection, training, scaling, monitoring and deploying to ML systems.

In any case, this is only a suggestion. Do with it what you wish. We approve this course.

John

John G. Harris, Professor and Chair
Department of Electrical and Computer Engineering
216 Larsen Hall, P.O. Box 116200
University of Florida, Gainesville, FL 32611-6200
www.ece.ufl.edu, harris@ece.ufl.edu, (352) 392-0913

On Nov 29, 2021, at 1:41 PM, Rashidi, Parisa <parisa.rashidi@bme.ufl.edu> wrote:

Hi John, Rob,

As you know, we are working towards the approval process of the curriculum for M.S. in Applied Artificial Intelligence. Based on our previous discussions, we have developed the syllabus for a new course, entitled “Machine Learning for AI Systems.” The focus of the course is an introduction to “applied” machine learning.

Alina has already reviewed the syllabus, but a formal consult response must also be included in the approval system. Please see attached for the requested consult and supporting documents. Thank you!

Best,
Parisa
Parisa Rashidi
Associate Professor, UF Term Professor,
Pruitt Family Endowed Fellow,
Co-Director, Intelligent Critical Care Center (IC3),
Director, Intelligent Health Lab,
PO Box 116130, Gainesville, FL 32611
New Engineering Building (NEB), 459
Office: (352)-392-9469
Pronouns: She/her
Website: http://www.bme.ufl.edu/labs/rashidi/
Google Scholar: https://scholar.google.com/citations?user=Rtej0FIAAAAJ&hl=en

## Appendix E
### Committee Member CV’s

<table>
<thead>
<tr>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bliznyuk, Nikolay</td>
<td>54</td>
</tr>
<tr>
<td>Gader, Paul</td>
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</tr>
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<td>Hibbitts, David</td>
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<td>Rashidi, Parisa</td>
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<td>Reisi, Mostafa</td>
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</tr>
<tr>
<td>Silva, Catia</td>
<td>136</td>
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<tr>
<td>Tonks, Michael</td>
<td>138</td>
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<tr>
<td>Zare, Alina</td>
<td>140</td>
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<tr>
<td>Zhao, Xilei</td>
<td>142</td>
</tr>
</tbody>
</table>
NAME: Nikolay Bliznyuk
POSITION TITLE & INSTITUTION: Associate Professor of Statistics, University of Florida

A. PROFESSIONAL PREPARATION
(see PAPPG Chapter II.C.2.f.(i)(a))

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>LOCATION</th>
<th>MAJOR/AREA OF STUDY</th>
<th>DEGREE (if applicable)</th>
<th>YEAR (YYYY)</th>
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<tbody>
<tr>
<td>George Mason University</td>
<td>Fairfax, VA</td>
<td>Economics</td>
<td>B.S.</td>
<td>2001</td>
</tr>
<tr>
<td>Cornell University</td>
<td>Ithaca, NY</td>
<td>Operations Research</td>
<td>M.S.</td>
<td>2007</td>
</tr>
<tr>
<td>Harvard School of Public Health</td>
<td>Boston, MA</td>
<td>Biostatistics</td>
<td>Postdoc</td>
<td>2009</td>
</tr>
</tbody>
</table>

B. APPOINTMENTS
(see PAPPG Chapter II.C.2.f.(i)(b))

<table>
<thead>
<tr>
<th>From - To</th>
<th>Position Title, Organization and Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018-present:</td>
<td>Associate Professor of Statistics (tenured), Department of Agricultural and Biological Engineering, University of Florida, Gainesville, FL</td>
</tr>
<tr>
<td>2015-present:</td>
<td>Affiliate/Courtesy Professor, University of Florida Informatics Institute, Gainesville, FL</td>
</tr>
<tr>
<td>2014-present:</td>
<td>Affiliate/Courtesy Professor, Department of Statistics, University of Florida, Gainesville, FL</td>
</tr>
<tr>
<td>2012-present:</td>
<td>Affiliate/Courtesy Professor, Department of Biostatistics, University of Florida, Gainesville, FL</td>
</tr>
<tr>
<td>2012-present:</td>
<td>Affiliate/Courtesy Professor, School of Natural Resources &amp; Environment (Interdisciplinary Ecology), University of Florida, Gainesville, FL</td>
</tr>
<tr>
<td>2014-18:</td>
<td>Assistant Professor of Statistics, Department of Agricultural and Biological Engineering, University of Florida, Gainesville, FL</td>
</tr>
<tr>
<td>2011-14:</td>
<td>Assistant Professor, Department of Statistics, University of Florida, Gainesville, FL</td>
</tr>
<tr>
<td>2009-11:</td>
<td>Research Assistant Professor, Department of Statistics, Texas A&amp;M University, College Station, TX</td>
</tr>
<tr>
<td>2008-09:</td>
<td>Postdoctoral Fellow, Department of Biostatistics, Harvard School of Public Health, Boston, MA</td>
</tr>
</tbody>
</table>

BS-1 of 2
C. PRODUCTS
(see PAPPG Chapter II.C.2.f.(i)(c))
Products Most Closely Related to the Proposed Project


Other Significant Products, Whether or Not Related to the Proposed Project


D. SYNERGISTIC ACTIVITIES
(see PAPPG Chapter II.C.2.f.(i)(d))

- I co-chaired the curriculum committee for a new MS degree in Artificial Intelligence Systems at UF
- I developed, revised and distributed UF HPC tutorials specifically aimed at large-scale deployment and application of computationally intensive statistical methods.
- I maintain a web page to facilitate dissemination of my research, including published articles, preprints, software products and training materials (e.g., UF HPC tutorials mentioned above).
- I developed a 9-day workshop “Boot Camp in Statistical Methods for Genetics” that I taught twice, in 2012-13
- Since Fall 2011, I have been extensively involved in statistical consulting across UF helping with experimental design and data analytic, predictive modeling and computational strategies.
PAUL D. GADER
IEEE Fellow
Dean’s Harris Professor
University of Florida Research Foundation Professor (2012 – 2015)

pgader@ufl.edu

EDUCATION

Ph.D. in Mathematics, University of Florida, August 1986.
Dissertation: Image Algebra Techniques for Parallel Computation of Discrete Fourier and General Linear Transforms


B.S. in Mathematics, University of Central Florida, August 1981, magna cum laude.

POSITIONS HELD

2003-Present Professor of Computer & Information Science & Engineering
University of Florida.

2016-Present Affiliate Professor, Environmental Engineering Sciences
University of Florida

08/15-06/16 Visiting Professor of Computer Science and Geography
University of California, Santa Barbara

05/12 – 05/15 Chair and Professor of Computer & Information Science & Engineering
University of Florida

2001-2003 Associate Professor of Computer & Information Science & Engineering
University of Florida.

1991-2001 Assistant / Associate / Full Professor of Computer Engineering & Computer Science, (formerly Electrical & Computer Engineering), University of Missouri-Columbia.

1994 Summer Research Fellow, Image Processing Laboratory, Eglin AFB FL.


1989-1991 Section Head and Research Engineer, Image & Pattern Analysis Section, ERIM.

1988 Summer Research Fellow, Institute for Mathematics and Its Applications, Summer Program on Signal Processing, University of Minnesota.

1987-1988 Assistant Professor of Mathematics, University of Wisconsin-Oshkosh.


1986-1988 Honorary Fellow, Department of Mathematics, University of Wisconsin-Madison.

1986 Visiting Assistant Professor of Mathematics, University of Wisconsin-Oshkosh.

1984-1986 Graduate Research Assistant, Computer & Information Science Department, University of Florida.

1984 Summer Research Fellow, Image Processing Laboratory, Eglin AFB, FL.

1981-1984 Graduate Teaching Assistant, Department of Mathematics, University of Florida.
# Table of Contents

PUBLICATIONS ............................................................................................................................................ 3  
  REFEREEED JOURNAL ARTICLES (103 published/accepted) ................................................................. 3  
  JOURNAL COMMENTS .......................................................................................................................... 11  
  BOOK CHAPTERS ............................................................................................................................. 11  
  CONFERENCE PAPERS (220 accepted/published) ............................................................................... 12  
  CONFERENCE PRESENTATIONS ....................................................................................................... 29  

FUNDED RESEARCH Total = $15,005,399 ................................................................................................. 32  
  Research Funding at the University of Florida ...................................................................................... Error! Bookmark not defined.  
  Co-Investigator at the University of Florida ......................................................................................... Error! Bookmark not defined.  
  University of Missouri ......................................................................................................................... Error! Bookmark not defined.  

TEACHING ............................................................................................................................................... 33  
  Ph.D. Dissertations Supervised (22) ...................................................................................................... 33  
  Post-Doctoral Associates Supervised .................................................................................................. 34  
  COURSES TAUGHT AT THE UNIVERSITY OF MISSOURI ................................................................. 35  
  COURSES TAUGHT / DEVELOPED WHILE AT THE UNIVERSITY OF FLORIDA ....................... 35  

National / International SERVICE ........................................................................................................... 36
PUBLICATIONS

REFEREED JOURNAL ARTICLES (110 published/accepted)

(J1) P. Chen, Y. Liang, X. Shi, L. Yang, P. Gader, “Automatic Whole Slide Pathology Image Diagnosis Framework via Unit Stochastic Selection and Attention Fusion”, Neurocomputing (Accepted, May 2020)


JOURNAL COMMENTS


BOOK CHAPTERS


CONFERENCE PAPERS (223 accepted/published)


(C18) J. Dula; A. Zare; Dominic Ho; P. D. Gader, “Landmine classification using possibilistic K-nearest neighbors with wideband electromagnetic induction data”, Proc. SPIE 8709, Detection and Sensing of Mines, Explosive Objects, and Obscured Targets XVIII, 87091F (7 June 2013);


(C34) S. E. Yuksel and P. D. Gader, “Variational Mixture of Experts For Classification with Applications to Landmine Detection”, Proceedings of 20th International Conference on Pattern Recognition, (ICPR 2010), Istanbul, Turkey, Aug. 23-26 2010, 2981-2984


(C46) Alina Zare, M. Silvious, R. Close, Paul D. Gader, “Quantifying the benefit of airborne and ground sensor fusion for target detection, Alina Zare, Univ. of Florida (USA); Miranda Silvious,


(C60) G. Heo, P. D. Gader, “Learning the Number of Gaussian Components Using Hypothesis Test”, International Joint Conference on Neural Networks(IJCNN), Atlanta GA, Jun. 2009, pp. 1206 -1212.


(C75) K. C. Ho, J. N. Wilson, **P. D. Gader**, “On the use of aggregation operators for humanitarian demining using hand-held GPR”, *Proceedings of the IEEE World Congress on Computational Intelligence*, Hong Kong, China, 1-6 June 2008 Page(s):2103-2108.


(C119) C. S. Throckmorton, L. Collins, P. A. Torrione, **P. D. Gader**, W. Lee, J. N. Wilson, “The efficacy of human observation for discrimination and feature identification of targets measured by the NIITEK ground-


CONFERENCE PRESENTATIONS


TUTORIALS, WORKSHOPS AND SPECIAL PRESENTATIONS


“Hyperspectral Image Analysis: How to see inside a pixel”, Invited Speaker, Cinvestav (University) Guadalajara, Mexico, November, 2016.


“Hyperspectral Image Analysis”, Invited Talk, ECE Department, University of Massachusetts, Amherst, MA, USA, October 2012.


“Nonlinear Unmixing of Hyperspectral Images”, Invited Talk, University of Pavia, Pavia, Italy, April, 2012.

“Ground Penetrating Radar and Hyperspectral/LIDAR Image Analysis for Buried and Occluded Object Detection” Invited Talk, Naval Surface Warfare Center, Panama City Beach, Florida, USA, October 2011.


“Pattern Recognition for Humanitarian De-Mining”, Presentation as a Member of an Invited Panelist for Panel on Applications of Image and Signal Processing in the Preservation of the Environment, International Conference on Pattern Recognition (ICPR 2002), Quebec City, Quebec, Canada, August 2002.


“A Comparison of Fuzzy Logic and Neural Network Methods for Street Number Location in Handwritten Addresses,” Presented to the Bay Area OCR Group at Apple Computer, San Jose, CA, Feb. 1, 1996.
Funded Research Total :: $15.3 Million

Sponsors

- Air Force
- Army
- DARPA
- DoD
  - Geo-Centers  (Industry)
  - Harris  (Industry)
- Missouri Dept. of Transportation
- National Science Foundation
- Sandia National Lab
  - Signalscape  (Industry)
- Strategic Environmental R & D Program
- U. S. Postal Service
- Electronics and Space Corporation  (Industry)
TEACHING

Ph.D. Dissertations Supervised (22)

2017  Possibilistic Classification Using Gaussian Process Prior by Leila Kalantari

2014  Normalized Maximum Likelihood on Variable Length Sequence Datasets by Joshua Horton

2014  Bayesian Hyperspectral Unmixing and Endmember Detection with MultiVariate Beta Distributions by Dmitri Dranishnikov

2013  Context-Dependent Detection in Hyperspectral Imagery by Taylor Glenn

2011  Endmember And Proportion Estimation Using Physics-Based Macroscopic And Microscopic Mixture Models by Ryan Close

2011  Context–Based Classification Via Data–Dependent Mixtures Of Logistic And Hidden Markov Model Classifiers by Seniha Esen Yuksel

2010  Fast Physics-Based Methods for Wideband Electromagnetic Induction Data Analysis by Ganesan Ramachandran

2009  Robust Kernel Methods in Context-dependent Fusion by Gyeongyong Heo

2009  Automatic Feature Learning and Parameter Estimation for Hidden Markov Models Using MCE and Gibbs Sampling by Xuping Zhang

2009  Optimized Dictionary Design and Classification Using the Matching Pursuits Dissimilarity Measure by Raazia Mazhar

2008  Hyperspectral Endmember Detection and Band Selection Using Bayesian Methods by Alina Zare

2008  Random Set Framework for Context-Based Classification by Jeremy Bolton

2008  Information Fusion and Sparsity Promotion using Choquet Integrals by Andres Mendez-Vazquez.

2007  Piecewise Linear Lattice Based Associative Memories by John McElroy.


2000  Choquet Integral Based Morphological Operators with Applications to Object Detection and Information Fusion by Ali Koksal Hocaoglu.


1999 *Improving Shared-Weight Neural Networks Generalization Using Regularization Theory and Entropy Maximization* by Mohamed Khabou.


1995 *Nonlinear Correlation Filter and Morphology Neural Networks for Image Pattern and Automatic Target Recognition* by Yonggwan Won.

1995 *Hybrid Fuzzy Neural Systems for Robust Handwritten Word Recognition* by Jung-Hsien Chiang.

**Post-Doctoral Associates Supervised**

1. Dr. H. Frigui (Dec 97 – Aug 98) (University of Missouri)
2. Dr Brijes Verma (Jan 99 – Nov 99) (University of Missouri)
3. Dr. Jinhui Liu (Jan 99 – December 2000) (University of Missouri)
4. Dr. Miroslaw Mystkowsky (Dec 99 – Aug 01) (University of Missouri)
5. Dr. Nipon Theera-Umpon (May 00 – May 01) (University of Missouri)
6. Dr. Guoqing Liu (joint with Dr. Li of ECE) (Oct. 01 – Aug 02) (University of Florida)
7. Dr. Ali Koksal Hocaoglu (Fall 01 – August 04) (University of Missouri and University of Florida)
8. Dr. Wen-Hsiung Lee (Spring 02 – Aug 06) (University of Florida)
9. Dr. Alina Zare (January 2009 – August 2010) (University of Florida)
10. Dr. Jeremy Bolton (January 2009 – 2012 (University of Florida)
11. Dr. Rob Heylon (Oct. 2012 – April 2013) (University of Florida)
12. Dr. Hamdi Jenzri (August 2014 – December 2014) (University of Florida)
### COURSES TAUGHT AT THE UNIVERSITY OF MISSOURI

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CECS 476</td>
<td>Pattern Recognition (Graduate Course)</td>
</tr>
<tr>
<td>ECE 471</td>
<td>Neural Network Based Computing Systems (Graduate Course)</td>
</tr>
<tr>
<td>CS 425</td>
<td>Artificial Intelligence II (Graduate Course)</td>
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<tr>
<td>ECE 474</td>
<td>Artificial Intelligence (Graduate Course)</td>
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<tr>
<td>ECE 458</td>
<td>Introduction to Modeling and Management of Uncertainty (Graduate Course)</td>
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<td>ECE 401</td>
<td>Image Algebra and Morphological Image Processing (Graduate Course)</td>
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<tr>
<td>ECE 365</td>
<td>Introduction to Digital Image Processing (Senior Lab Course)</td>
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<tr>
<td>ECE 227</td>
<td>Algorithms and Software Design with the C Language (Junior Course)</td>
</tr>
<tr>
<td>ENGR 20</td>
<td>Introduction to Computer Programming with PASCAL (Freshman Course)</td>
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### COURSES TAUGHT / DEVELOPED WHILE AT THE UNIVERSITY OF FLORIDA

(INCLUDING COURSES WHILE A VISITING PROFESSOR DESIGNATED BY *)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>CAP 6617</td>
<td>Advanced Machine Learning (Graduate Course) (I developed into regular course)</td>
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<tr>
<td>CAP 6615</td>
<td>Neural Networks for Computing (Graduate Course)</td>
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<tr>
<td>CAP 6610</td>
<td>Machine Learning (Graduate Course)</td>
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<td>CAP 4621</td>
<td>Artificial Intelligence (Senior Course)</td>
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<td>CAP 4410</td>
<td>Digital Image Processing (Senior Course)</td>
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<tr>
<td>COT 3100</td>
<td>Applied Discrete Structures (Junior Course)</td>
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<tr>
<td>CIS 6930</td>
<td>Fuzzy Sets and Fuzzy Logic (Graduate Special Topics)</td>
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<td>CIS 6930/COT 5615</td>
<td>Math for Intelligent Systems (Grad Special Topics) (I developed into regular course)</td>
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<td>CIS 6930</td>
<td>Hidden Markov Models (Graduate Special Topics Course)</td>
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<td>CIS 6930</td>
<td>Subsurface Sensing Algorithms (Graduate Special Topics Course)</td>
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<tr>
<td>CIS 6930</td>
<td>Elements of Statistical Learning (Grad Special Topics Course, co-taught with Statistics)</td>
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<tr>
<td>CIS 4930</td>
<td>Introduction to Computational Intelligence (Undergraduate Special Topics Course)</td>
</tr>
<tr>
<td>CIS 6930/4930</td>
<td>Hyperspectral Image Analysis (Graduate / Undergraduate Special Topics Course)</td>
</tr>
<tr>
<td>ENV 6932</td>
<td>Computer Programming for Environmental Research (Graduate Special Topics Course)</td>
</tr>
</tbody>
</table>

*Winter 2016  Deep Learning (Graduate Course), University of California – Santa Barbara, CS Department
*Winter 2012  Digital Image Processing (Undergraduate Course), Grenoble Institute of Technology, France
National / International SERVICE

Tutorials and Short Courses

Tutorial: Nonlinear Unmixing for Hyperspectral Images and Imaging Spectroscopy  
(with Dr. Rob Heylen, University of Antwerp, Belgium)


10th European Association of Remote Sensing Laboratories (EARSeL), Imaging Spectroscopy Workshop, April 2017

Short Course: Classification of Hyperspectral Data using Python  

Panels


NSF Panel, Interactive Systems Division, (Gary Strong, Program Director), (1996).

Memberships

Fellow International Institute of Electrical and Electronics Engineers (IEEE)
Member Society of Photo-Optical and Instrumentation Engineers (SPIE)

International Committees


Honors

University of Florida Research Foundation Professor

Outstanding Junior Faculty Research Award, University of Missouri, College of Engineering, March 1996.


Associate Editor

Journal of Mathematical Imaging and Vision  
Journal of Electronic Imaging (1996-1999)

Journal Guest Editor


**Conference Chair**

**Area/Theme Chair**

**Keynote Speaker**
IEEE International Conference on Fuzzy Systems, Taipei, Taiwan (2011)

**Session Chair**
IEEE World Congress on Computational Intelligence, Special Session on AGOPs in Practice, (2008)
International Workshop on Frontiers of Handwriting Recognition, (September 2000)
Fuzzy Sets in Handwriting Recognition, NAFIPS ’96 (June 1996)
IEEE Conference on Systems, Man, and Cybernetics (October 1995)

**Program Committee**
IEEE Workshop Computer Vision Beyond the Visible Spectrum (1999-2001)

**Organizing Committee**
IEEE World Congress on Computational Intelligence (2010)

**Paper Reviewer**
IEEE Computer
IEEE Geoscience and Remote Sensing Letters
IEEE International Conference on Fuzzy Systems (FUZZ-IEEE)
IEEE Sensors
IEEE Transactions on Pattern Analysis and Machine Intelligence
IEEE Transactions on Fuzzy Systems
IEEE Transactions on Image Processing
IEEE Transactions on Knowledge and Data Engineering
IEEE Transactions on Signal Processing
IEEE Transactions on Antennas and Propagation

Master of Science with a major in Artificial Intelligence Systems
IEEE Transactions on Geoscience and Remote Sensing
IEEE Transactions on Systems, Man, and Cybernetics
IEEE World Congress on Computational Intelligence (WCCI)
IEEE Workshop Hyperspectral Image & Signal Analysis… (WHISPERS)
Fuzzy Sets and Systems
Journal of Information Fusion
Journal of Information Science
International Conference on Pattern Recognition (ICPR)
International Conference Neural Networks (ICNN)
International Conference on Frontiers of Handwriting Recognition (ICFHR)
International Workshop on Frontiers of Handwriting Recognition (IWFHR)
ISPRS Journal of Photogrammetry and Remote Sensing
Journal of Real-Time Imaging
Journal of Mathematical Imaging and Vision
Journal of Electronic Imaging
Pattern Recognition Letters
Pattern Recognition
Signal Processing
David D. Hibbitts, Ph.D.

<table>
<thead>
<tr>
<th>Position</th>
<th>August 2015 – Present</th>
<th>University of Florida</th>
<th>Department of Chemical Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assistant Professor</td>
<td></td>
<td></td>
<td>221 Chemical Engineering Building</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Gainesville, FL 32611 USA</td>
</tr>
</tbody>
</table>

**Research Interests**

- Use kinetic, isotopic, and theoretical studies on well-defined catalysts.
- Determine mechanisms and active sites for reactions of fossil- and biomass-based chemicals.
- Establish structure-function relationships to develop and improve catalytic materials.
- Design interfaces to improve accuracy and efficiency of theoretical methods.

**Post-Doctoral Research**

- **University of California**, Berkeley, CA  
  Chemical Engineering **Advisor:** Prof. Enrique Iglesia  

**Education**

- **University of Virginia**, Charlottesville, VA  
  Ph.D., Chemical Engineering **Advisor:** Prof. Matthew Neurock  
  August 2012
- **Clemson University**, Clemson, SC  
  B.S. cum Laude, Chemical Engineering  
  May 2007

**Recent Awards**

- NSF CAREER Award, 2020-2024
- American Chemical Society Petroleum Research Fund NDI Award, 2016-2018
- Outstanding Service Award, UF Department of Chemical Engineering, 2017

**Journal Publications**

<table>
<thead>
<tr>
<th>Order</th>
<th>Authors</th>
<th>Title</th>
<th>Journal</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>M. DeLuca and D. Hibbitts.*</td>
<td>“Prediction of C$<em>6$–C$</em>{12}$ interconversion rates using novel zeolite-specific kinetic Monte Carlo simulation methods.”</td>
<td>Pre-print available (2019)</td>
<td></td>
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</tbody>
</table>

*Corresp. Author

Hibbitts CV

Hibbitts CV

[Master of Science with a major in Artificial Intelligence Systems] 94

DocuSign Envelope ID: 132213A9-CB38-42F4-9B1B-B6AAEBBE839A

237/489


Selected Ph.D. / Post-Doc. Publications (12 Omitted)


Presentations

- 11 Past and Upcoming Departmental Seminars
- 30 National Conference Presentations (7 invited)
- 25 Student / Collaborator Presentations

Grants

**Funding, PI on all awards, 3 awarded AY 2019–2020**

**P** My portion


Parisa Rashidi, PhD  
Intelligent Health Lab (iHeal),  
Department of Biomedical Engineering, University of Florida  
1064 Center Drive, NEB 459, Gainesville, FL 32611  
Office Phone: (352) 392-9469  
E-mail: parisa.rashidi@ufl.edu

---

**APPOINTMENTS**

<table>
<thead>
<tr>
<th>University of Florida</th>
<th>Gainesville, FL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Associate Professor</td>
<td>August 2020 - Present</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>August ’13 – 2020</td>
</tr>
<tr>
<td>Department of Biomedical Engineering</td>
<td></td>
</tr>
<tr>
<td>Affiliated, Department of Electrical &amp; Computer Engineering</td>
<td></td>
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<tr>
<td>Affiliated, Department of Computer &amp; Information Science &amp; Engineering</td>
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<tr>
<td>Affiliated, Department of Aging and Geriatric Research</td>
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<tr>
<th>Northwestern University, Feinberg School of Medicine</th>
<th>Chicago, IL</th>
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<tbody>
<tr>
<td>Assistant Professor, Center on Health and Engineering</td>
<td>September ’12 – June ‘13</td>
</tr>
<tr>
<td>Affiliated, Department of Computer Science</td>
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<table>
<thead>
<tr>
<th>University of Florida</th>
<th>Gainesville, FL</th>
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<tr>
<td>Research Scientist,</td>
<td>September ’11 – May ’12</td>
</tr>
<tr>
<td>Department of Computer &amp; Information Science &amp; Engineering</td>
<td></td>
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<tr>
<th>Washington State University</th>
<th>Pullman, WA</th>
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<tr>
<td>Graduate Research Assistant</td>
<td>September ’06 – May ’11</td>
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<th>Microsoft Research</th>
<th>Washington, D.C.</th>
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<td>Intern, Health Systems Group</td>
<td>June ’09 – September ‘09</td>
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<tr>
<th>Microsoft Research</th>
<th>Redmond, WA</th>
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<td>Intern, Robotics Group</td>
<td>June ’08 – September ’08</td>
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**EDUCATION**

<table>
<thead>
<tr>
<th>Washington State University</th>
<th>Ph.D., Computer Science</th>
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<tbody>
<tr>
<td>Research Area: Activity Recognition, Machine Learning</td>
<td>May 2011</td>
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<tr>
<th>Washington State University</th>
<th>M.Sc., Computer Science</th>
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<tr>
<td>Research Area: Activity Recognition, Machine Learning</td>
<td>December 2007</td>
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<table>
<thead>
<tr>
<th>University of Tehran</th>
<th>Graduate Coursework</th>
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<tr>
<td>Area: Intelligent Systems</td>
<td>May 2006</td>
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<table>
<thead>
<tr>
<th>University of Tehran</th>
<th>B.S., Computer Engineering</th>
</tr>
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<tbody>
<tr>
<td>Area: Software Engineering</td>
<td>September 2005</td>
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Master of Science with a major in Artificial Intelligence Systems
## HONORS & AWARDS

<table>
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<tr>
<th>Year</th>
<th>Award Description</th>
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<tbody>
<tr>
<td>2020</td>
<td>Pruitt Family Endowed Faculty Fellowship, University of Florida</td>
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<tr>
<td>2019</td>
<td>Faculty Research Excellence Award, Biomedical Engineering Department (BME), University of Florida</td>
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<td>2019</td>
<td>Mitchell Max Award Finalist, National Institute of Health (NIH)</td>
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<tr>
<td>2019</td>
<td>Excellence Award for Assistant Professors, University of Florida (UF Excellence Award)</td>
</tr>
<tr>
<td>2019</td>
<td>Excellence Award for Assistant Professors, Herbert Wertheim College of Engineering (HWCOE Excellence Award)</td>
</tr>
<tr>
<td>2019</td>
<td>National Institute of Health (NIH), Trailblazer Award</td>
</tr>
<tr>
<td>2019</td>
<td>Senior Member Grade, Institute of Electrical and Electronics Engineers (IEEE)</td>
</tr>
<tr>
<td>2018</td>
<td>University of Florida Term Professorship, Excellence in Research, Teaching, Service</td>
</tr>
<tr>
<td>2018</td>
<td>National Science Foundation Faculty Early Career Development Program (NSF CAREER)</td>
</tr>
<tr>
<td>2017</td>
<td>National Academy of Engineering (NAE), Frontiers of Engineering (FOE)</td>
</tr>
<tr>
<td>2015</td>
<td>Biomedical Engineering Society (BMES), Career Development Award</td>
</tr>
<tr>
<td>2015</td>
<td>Microsoft Faculty Summit Invited Participant</td>
</tr>
<tr>
<td>2014</td>
<td>National Science Foundation Travel Award, Computing Challenges in Future Mobile Health Systems and Applications Workshop</td>
</tr>
<tr>
<td>2011</td>
<td>The Outstanding Dissertation Award, Washington State University, WA</td>
</tr>
<tr>
<td>2006</td>
<td>Graduate Research Award, Washington State University, WA</td>
</tr>
<tr>
<td>2005</td>
<td>Max-Planck Summer School Travel award, Germany</td>
</tr>
</tbody>
</table>

## PUBLICATIONS

**Summary:**

Master of Science with a major in Artificial Intelligence Systems
Total Citation Count 4700+
h-index 25
i10-index 42

Google Scholar Link

Journal Articles


Odd Top 5% of all research outputs scored by Altmetric. Featured in CBS, Fox, UF Health News, NPR Local News.


Odd Impact Factor 4.5, #2 in Medical Informatics by Thomson Reuters.


Odd Impact Factor 4.5, #2 in Medical Informatics by Thomson Reuters.

19. Adhikari, Lasith, Tezcan Ozrazgat-Baslanti, Matthew Ruppert, RWMA Madushani, Srajan Paliwal, Haleh Hashemighouchani, Feng Zheng, Ming Tao, Juliano M Lopes, Xiaolin Li,


   ◇ Among Top 3 IEEE JBHI Articles of All Time. 6000+ Downloads, Citation Count: 180+, In the top 5% of all research outputs scored by Altmetric.


   ◇ Featured cover article, March 2018.


Selected as Best article by the International Medical Informatics Association (IMIA) in the ‘Clinical Decision Support’ category.


Among the top 10% most cited PLOS ONE authors of 2016.


Impact Factor: 4.6, Citation Count: 190+, In the top 5% of all research outputs scored by Altmetric.


Citation Count: 660+, 6000+ Downloads, Among the Top 50 IEEE JBHI Papers of All Time, Cited by the European Union (EU) Policy Document on Ethical aspects of Cyber-Physical

Impact Factor 9.1, Citation Count: 400+, 4500+ downloads.


5-year Impact Factor: 10.4, Ranked No.1 in all ACM journals in terms of avg. citations per paper.


Impact Factor: 8.8, Citation Count: 170+, 1600+ Downloads.


Citation Count: 410+, 8 Patent Citations, 3300+ Downloads.


Citation Count: 370+, 11 Patent Citations, 2800+ Downloads, Top #50 Top IEEE TSMC Articles of All Time.

Preprint Manuscripts


In the top 5% of all research outputs scored by Altmetric, Highlighted in NVIDIA News. Published in Nature Scientific Reports in May 2019.

Conference Proceeding Papers


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**Book Chapters**


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**Editorial Report**


Conference Abstracts


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**Internal Abstracts & Posters**


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**PATENTS**

- Systems and Methods for Providing an Acuity Score for Critically Ill or Injured Patients. Azra Bihorac, Tyler J. Loftus, Tezcan Ozrazgat Baslanti, Parisa Rashidi, Benjamin P. Shickel. Pending Appl. No. 62/809,159, filed February 22, 2019 (Pending). The first real-time and continuous version of the commonly used Sequential Organ Failure Assessment (SOFA) score in the Intensive Care Unit (ICU).


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**GRANTS & AWARDS**

**AWARDED, SUMMARY** 2013-2020

| Number of Grants/Awards Received: | 17 |
| Faculty Share: | $3.05 M |
| Total Amount: | $10.6M |
AWARDED, DETAILS

--- Federal Grants ---

TrailBlazer: Autonomous Pain Recognition in Non-Verbal and Critically Ill Patients
The overall objective of this project is to build the foundation of an autonomous, clinically-available pain assessment system by developing and validating pain recognition algorithms in a fully uncontrolled ICU setting.
Rashidi (PI) Role: PI

2018-2023 $595,029 (Rashidi: $595,029) National Science Foundation (NSF)
CAREER: Fundamental Intelligent Building Blocks of the Intensive Care Unit (ICU) of the Future
Project Goal: The major goals of this project are to develop machine learning models for patient monitoring in the critical care unit.
Rashidi (PI) Role: PI

2015-2016 $225,000 (Rashidi: $95,087) National Science Foundation (NSF)
STTR Phase I: TAO: An Intelligent Mental Health Therapy Tool
Project Goal: The major goals of this project are to utilize the wealth of collected mental health data by online therapy tool TAO using novel natural language processing and machine learning techniques to provide highly personalized treatments to mental health patients.
Rashidi (University PI), Benton (Private Partner PI) Role: PI

2016 $45,000 (Rashidi: $32,010) National Science Foundation (NSF)
BRIDGE Phase I to II: TAO: An Intelligent Mental Health Therapy Tool
Project Goal: The major goals of this project are to further develop the natural language processing techniques developed in Phase I using techniques such as word embedding and deep learning.
Rashidi (University PI), Benton (Private Partner PI) Role: PI

2016-2019 $750,000 (Rashidi: $221,242) National Science Foundation (NSF)
SBIR Phase II: An Intelligent Mental Health Therapy System
Project Goal: The major goals of this project are to further develop the natural language processing and machine learning techniques developed in Phase I.
Rashidi (University PI), Benton (Private Partner PI) Role: PI

R01: Finding Good Temporal Postoperative Pain Signatures
Project Goal: This project examines how postoperative pain scores change with respect to time using machine learning and advanced data science techniques such as shapelets and deep learning techniques.
Rashidi (Co-I), Tighe (PI) Role: Co-I

2015-2018 $665,000 (Rashidi: $23,517) National Institute of Health (NIH)
**SBIR: PEAKS: Validation of Mobile Technologies for Clinical Assessment, Monitoring, and Intervention**
This project examines how wearable accelerometers can be used for clinical assessment and monitoring.
Rashidi (Co-I), Albinali (PI) Role: Co-I

2016-2020 $2,286,618 (Rashidi: $299,313) National Institute of Health (NIH)

**R01: Integrating data, algorithms and clinical reasoning for surgical risk assessment**
Project Goal: This project examines how surgical risk can be assessed using machine learning and advanced data analysis techniques.
Rashidi (Co-I), Bihorac, Li (PI) Role: Co-I

2017-2022 $2,500,00 (Rashidi: $750,000) National Institute of Health (NIH)

**R01: PRECEDE: PREsurgical Cognitive Evaluation via Digital clockfacE drawing**
Project Goal: This project examines how deep learning and digital technology can be used to assess cognitive function in hospitalized patients.
Rashidi (Co-I), Tighe, Price (PI) Role: Co-I


**R01: Artificial Intelligence in a Mobile Intervention Tool for Depression**
Project Goal: This project aims to use machine learning techniques to provide just in time intervention techniques for mental health patients.
Rashidi (Co-I), Mohr (PI) Role: Co-I

*Not transferred after moving to UF*

---Workshop Grants---

2013-2014 $15,000 (Rashidi: N/A) National Science Foundation (NSF)

**Workshop:** Travel Fund for 2012 AAAI Fall Symposium on AI for Gerontechnology
Project Goal: This workshop provided travel fund for approximately 10 early stage scholars, including graduate students and postdoctoral fellows.
Rashidi (Co-PI), PI (Cook) Role: Co-PI

--- State Grants ---

2015-2016 $124,556 (Rashidi: $80,627) Florida High Tech Corridor Council

**FHTCC: Intelligent Mental Health Treatment Recommendation**
Project Goal: The goal of this project is to automatically recommend treatments and interventions based on personalized patient profiles and their recovery trajectory. This is a matching grant on TAO Connect Inc. Industry support.
Rashidi (PI), Heesacker (co-I) Role: PI

--- Industry Support ---

2017 Deep Learning GPU Equipment (Rashidi) Industry: NVIDIA Corporation
Intelligent Health System Lab Support
Project Goal: The GPU equipment will be used to develop deep learning applications in the clinical domain.
Rashidi (PI) Role: PI

2015-2016 $18,819 (Rashidi: $7,269) Industry: TAO Connect, Inc.
**Matched:** Intelligent Mental Health Treatment Recommendation
Project Goal: The goal of this project is to automatically recommend treatments and interventions based on personalized patient profiles and their recovery trajectory.
Rashidi (PI), Heesacker (co-I) Role: PI

**** Internal Grants ****

2015-2016 $30,777 (Rashidi: $30,777) UF Informatics Institute (UFII)
Automatic Real-Time Detection of Delirium in Intensive Care Units using Pattern Recognition
Project Goal: This project examines how delirium can be detected using machine learning and advanced data analysis techniques.
Rashidi (PI) Role: PI

Automated Integration of Patient-Generated Data with the Electronic Health Record Data
Project Goal: This project aims to integrate electronic health record data with mHealth sensor data.
Rashidi (PI) Role: PI

2016-2018 $24,109 (Rashidi: $24,109) PRICE-CTSI-IOA Pilot
Real-Time Patient Reported Outcome of Pain in Community-dwelling Older Adults
Project Goal: This project aim is to provide an ecological momentary assessment (EMA) tool for capturing patient reported outcome (PRO) in real time within daily life, using a smartwatch for collecting pain intensity, fatigue level, and mood.
Rashidi (PI) Role: PI

2014-2015 $37,838 (Rashidi: no efforts allowed) UF Informatics Institute (UFII)
Analysis of Actigraphy Patterns for Improved Physical Activity Intervention and Preventing Mobility Incidents in Older Adults
Project Goal: The major goal of this project is to identify mobility impairment using high resolution movement data measured from accelerometer.
Rashidi (Co-I), Manini (PI) Role: Co-I

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TEACHING

Primary Instructor:

- **Computer Applications For BME, BME 3053C**
  Undergraduate Course, Department of Biomedical Engineering,
  Spring 2018, Fall 2019 (Co-teaching), Spring 2020
University of Florida

- **Biomedical Data Science, BME4931/6938**
  Graduate Course, Department of Biomedical Engineering,
  Spring 2017, Fall 2018, Fall 2019, Fall 2020
  University of Florida

- **Machine Learning for Health and Biomedical Applications, BME4931/6938**
  Graduate Course, Department of Biomedical Engineering,
  Spring 2014, Fall 2015, Fall 2016
  University of Florida

- **Biomedical Informatics, BME4931/6938**
  Undergraduate Course, Department of Biomedical Engineering,
  Spring 2016, Fall 2014
  University of Florida

- **Programming Fundamentals for CIS Majors, COP 3502**
  Undergraduate Course, Computer and Information Science and Engineering,
  Spring 2012
  University of Florida

**Guest Lectures:**

- **Machine Learning Lecture Series**
  Guest Lecture, CBITs,
  Spring 2013
  Northwestern University

- **Introduction to Biomedical Engineering, BME 1008**
  Guest Lecture, Department of Biomedical Engineering,
  Fall 2013, Spring 2014, Spring 2016, Spring 2018, Fall 2019
  University of Florida

- **Data Science: Large-scale Advanced Data Analysis, CIS 6930 / CIS4930**
  Guest Lecture, Computer and Information Science and Engineering,
  Spring 2012
  University of Florida

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**PRESENTATIONS & INVITED TALKS**

International, National, Regional


Local


9. Parisa Rashidi. “Ambient Assisted Living.” Feinberg School of Medicine, Northwestern University, Chicago, IL, December 2011.

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MENTORING

Junior Faculty

- Mamoun Mardini, Assistant Professor, Dept. of Aging and Geriatric Research
- Tyler J. Loftus, Assistant Professor, Department of Surgery

Postdoctoral Fellows

- Ashkan Ebadi, Ph.D., Machine Learning, 2015- 2016

PhD Students

1. Ben Shickel, CISE, Physiological Time Series Analysis, 2014 - Present
2. Anis Davoudi, BME, Intelligent ICU, 2015 – Present
3. Raheleh Baharloo, ECE, Physiological Time Series Analysis, 2017 - Present
4. Scott Siegel, BME, Quantum Machine Learning, 2017 - Present
5. Sabyasachi Bandyopadhyay, BME, Integrated Data Analysis, 2017 – Present
6. Subhash Nerella, BME, Critical Care Monitoring, 2018 - Present
Master’s Students (*Alumni in Italics*)

1. Rahul Radhakrishnan, Sketch Analysis, 2020
2. Parth Shah, Intelligent ICU, 2019
3. Anirudh Mukundan Raghavan, Intelligent ICU, 2019
4. Vasundhra Iyengar, CISE, Intelligent ICU, 2019
5. Suchak, Amish R, CISE, Intelligent ICU, 2018-2019
7. Sannapaneni, Bharadwaj, CISE, Clinical Text Analysis, 2018-2019
8. Nitish Kumar Rath, CISE, Intelligent ICU, 2018-2019
9. Kumar R Malhotra, CISE, Activity Recognition in the ICU, 2017-2018
10. Subhash Nerella, Mech.E, Ultrasound Image Segmentation, 2018
11. Wan, Yongchen, CISE, Intelligent ICU, 2018
13. Piyush Agade, CISE, Graph analysis, 2016
15. Sritapa Dutta, CISE, Physiological Data Analysis, 2015
20. Sanchit Katdare, Mental Health Text Analysis, CISE, 2013-2014

Individual Study

1. Rahul Radhakrishnan, Sketch Analysis, 2020
2. Pulkit Tripathi, Clustering, 2019
3. Nitish Kumar Rath, Intelligent ICU, CISE, 2019
4. Aditya Nalluri, Deep Learning in Intraoperative Setting, CISE, 2018
5. Ajitesh Janaswamy, EHR DB, CISE, 2018
6. Srajan Paliwal, AKI Prediction Tool, CISE, 2018
7. Ghananeel S Rotithor, Assisted Communication Tool, BME, 2017
10. Sunil Kumar, Mobile Facial Expression Recognition, CISE, 2016
11. Ambuj Kumar, Medical Literature Mining, Biology, 2016
12. Amal A. Wanigatunga, Epidemiology, Sensor Data Analysis, Health Sciences, 2015
13. Gokul Maddali, Named Entity Type Recognition, CISE, 2015
15. Dushyanth Bookanakere Nagaraju, Graphs in Machine Learning, CISE, 2014
17. Jagadeesh Radhakrishnan Bhaskaran, Sensor Data Analysis, CISE, 2014

**Undergraduate Students (Alumni in Italics)**

1. Kevin Miguel Vega Gonzalez, 2019-2020
3. Ria Bhaskar, BME, 2018-2020
5. Natalie Evelev, BME, 2017-2019, University Scholar
6. Anthony Rodriguez, BME, 2018
7. Matthew Ruppert, BME, 2017-2018
8. Kaitlyn C Adams, BME, 2017
9. Gouthami Gadamsetty, BME, 2017
10. Alexander Hall, Senior, ECE, 2016
11. Paul Nickerson, BME, 2015

**University Minority Mentor Program (UMMP)**

1. Michele Wu, CISE, Freshman, 2016
3. Abhisek Mishra, ECE, Freshman, 2015

**Visiting Scholars**

1. Sameh Triki, PhD Candidate, University of Toulouse, France, Discovering Human Walking
Patterns, 2015

Student Science Training Program (SSTP)
1. Nicholas Jackson, Junior High school, Summer 2018
2. Jacob York, Junior High school, Summer 2018
3. Avaneesh R. Kunta, Junior High school, Summer 2016

<table>
<thead>
<tr>
<th>THE SIS &amp; DISSERTATION COMMITTEES</th>
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</thead>
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Ph.D. Committee Chair

<table>
<thead>
<tr>
<th>1. Shickel, Benjamin P</th>
<th>CISE</th>
<th>Summer 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Davoudi, Anis</td>
<td>BME</td>
<td>Spring 2020</td>
</tr>
<tr>
<td>3. Raheleh Baharloo</td>
<td>ECE</td>
<td>Spring 2020</td>
</tr>
<tr>
<td>4. Scott Siegel</td>
<td>BME</td>
<td>Spring 2020</td>
</tr>
<tr>
<td>5. Sabyasachi Bandyopadhyay</td>
<td>BME</td>
<td>Spring 2020</td>
</tr>
<tr>
<td>6. Subhash Nerella</td>
<td>BME</td>
<td>Spring 2023</td>
</tr>
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</table>

Ph.D. Committee Member (Alumni in blue font)

<table>
<thead>
<tr>
<th>1. Kheirkhahan, Matin</th>
<th>CISE</th>
<th>Fall 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Charbel, Marc W</td>
<td>BME</td>
<td>Spring 2018</td>
</tr>
<tr>
<td>3. Liu, Fujun</td>
<td>ECE</td>
<td>Summer 2017</td>
</tr>
<tr>
<td>4. Rajan, Abhijit</td>
<td>BME</td>
<td>Spring 2018</td>
</tr>
<tr>
<td>5. Ravindran, Aniruddh</td>
<td>BME</td>
<td>Summer 2017</td>
</tr>
<tr>
<td>6. Sapkota, Manish</td>
<td>ECE</td>
<td>Spring 2018</td>
</tr>
<tr>
<td>7. Su, Hai</td>
<td>BME</td>
<td>Spring 2019</td>
</tr>
<tr>
<td>8. Xie, Yuanpu Sr</td>
<td>BME</td>
<td>Spring 2018</td>
</tr>
<tr>
<td>9. Shi, Xiaoshuang</td>
<td>BME</td>
<td>Fall 2019</td>
</tr>
<tr>
<td>10. Chen, Pingjuin</td>
<td>ECE</td>
<td>Spring 2020</td>
</tr>
<tr>
<td>11. Meyappan, Sreenivasan</td>
<td>BME</td>
<td>Spring 2019</td>
</tr>
<tr>
<td>12. Xing, Fuyong</td>
<td>ECE</td>
<td>Spring 2018</td>
</tr>
<tr>
<td>13. Abolfazl Mollalo</td>
<td>GEO</td>
<td>Spring 2019</td>
</tr>
<tr>
<td>14. Sunil Kumar</td>
<td>CISE</td>
<td>Spring 2020</td>
</tr>
<tr>
<td>15. Rozowsky, Jared M</td>
<td>BME</td>
<td>Spring 2021</td>
</tr>
<tr>
<td>16. Peng Liu</td>
<td>BME</td>
<td>Spring 2021</td>
</tr>
<tr>
<td>17. Farnaz Babaie Sarijaloo</td>
<td>ISE</td>
<td>Spring 2021</td>
</tr>
<tr>
<td>18. Sarah Long</td>
<td>BME</td>
<td>TBD</td>
</tr>
<tr>
<td>19. Ayse Demircan</td>
<td>BME</td>
<td>Spring 2022</td>
</tr>
<tr>
<td>20. Kalyn Kearney</td>
<td>BME</td>
<td>TBD</td>
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International PhD Committee Member

| 1. Florenc Demrozi | University of Verona, Italy | Spring 2020 |
MS Committee Chair
2. Paul Nickerson BME Spring 2017

MS Committee Member
1. Wu, Shaoju BME Fall 2017

Honor thesis Committee
1. Nicole Veit BME, Fall 2020
2. Brecca Miller BME, Spring 2020
3. Kyle B. See BME, Spring 2019
4. Skylar Stolte BME, Spring 2019
5. Anthony Calas CISE Fall 2016

BME Supervisory Chair
1. Yangru Zhou
2. Megan Rahnama
3. Ibrahim Khaled Almuteb

Student & Fellow Awards
• 2019, Anis Davoudi, 2020 MCI Symposium Young Investigator Travel Scholarship
• 2019, Joseph Brooks, University Scholar
• 2018, Natalie Evelev, University Scholar
• 2018, Christie Nguyen, University Scholar
• 2018, Anis Davoudi, NSF Supported Women in Computer Vision Workshop, Conference on Computer Vision and Pattern Recognition (CVPR)
• 2018, Anis Davoudi, NSF Supported IEEE Biomedical and Health Informatics and Wearable and Implantable Body Sensor Networks Conference Student Travel Award
• 2017, Best Poster, College of Medicine Celebration of Research, Sabyasachi Bandyopadhyay
• 2016, Anis Davoudi, UF Informatics Institute Fellowship
• 2016, Zachary Quicksall, NSF Graduate Fellowship Honorable Mention
• 2016, Mizuki Miyatake, third place at BME photography contest, using deep learning
• 2014, Paul Nickerson, Honorable Mention Poster Award, BME Pruitt Research Day

WORKSHOP & SYMPOSIUM ORGANIZATION


Co-Chair, “Workshop on Data Mining and Decision Analytics for Public Health and Wellness”, IEEE International Conference on Data Mining (ICDM). Atlantic City, New Jersey, November 2015.


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GRANT PROPOSAL REVIEW

- National Science Foundation (NSF)
  2020 ENG/IIP, SBIR/STTR, Ad-hoc Reviewer
  2019 CISE, Division of Information & Intelligent Systems (IIS), Panelist
  2018 CISE, Division of Information & Intelligent Systems (IIS), Panelist
  2017 CISE, Division of Information & Intelligent Systems (IIS), Panelist
  2016 CISE, Division of Information & Intelligent Systems (IIS), Panelist
  2014 CISE, Division of Information & Intelligent Systems (IIS), Panelist
  2012 CISE, Division of Information & Intelligent Systems (IIS), Panelist
  2011 CISE, Division of Information & Intelligent Systems (IIS), Panelist

- National Institute of Health (NIH)
  2020 Reviewer
Patient-Centered Outcomes Research Institute (PCORI)
2016  Improving Methods, Scientist Reviewer

Swiss National Science Foundation (NSF), Swiss
2017  Sinergia Funding Instrument, Reviewer

The Dutch Cancer Society (KWF Kankerbestrijding), Netherlands
2019  External Reviewer

Freiburg Institute for Advanced Studies (FRIAS), Germany
2020  External Reviewer

JOURNAL REVIEWER & EDITORIAL ROLES

Editor
• Editor, PLOS ONE, 2019 (5)
• Guest Editor: Special Issue on Data Mining and Mobile Sensing in Pervasive Environments, Elsevier’s Pervasive and Mobile Computing, 2014 (15+)

b. Editorial Advisory Boards
• Editorial Review Board: Journal of Ambient Intelligence and Smart Environments (JAISE) 2014-2017 (15+)

a. Reviewer for Scholarly Journals
1. Nature, Digital Medicine, 2019 (2), 2020 (1)
2. Nature, Medicine, 2019 (1)
4. Nature, Machine Intelligence, 2019 (1)
5. Journal of Medical Internet Research (JMIR), 2019 (1)
6. Intensive Care Medicine Experimental, 2019 (1)
8. IEEE Access, 2019 (1), 2020 (3)
9. IEEE Transactions on Neural Systems & Rehabilitation Engineering (IEEE TNSRE), 2019
10. IEEE Transactions on Knowledge and Data Engineering (IEEE TKDE), 2018 (2), 2019 (1)
12. Elsevier Current Opinion in Biomedical Engineering, 2018 (1)
13. JAMA Neurology, 2018 (1)
14. IEEE Transactions on Industrial Informatics (IEEE TII), 2018 (1)
17. IEEE Transactions on Mobile Computing (IEEE TMC), 2017 (1)
18. PLOS ONE, PLOS Computational Biology, 2017 (1)
19. Statistical Analysis and Data Mining (SDM), 2014 (1)
20. ACM Transactions on Interactive Intelligent Systems (ACM TIIS), 2014 (1)
22. ACM Transaction on Intelligent System and Technology (ACM TIST), 2012 (1)

CONFERENCE TECHNICAL PROGRAM COMMITTEES

1. Machine Learning in Biomedical Applications, Annual Meeting of the Biomedical Engineering Society (BMES), 2020
2. International Conference on Pervasive Health 2020
7. IEEE International Conference on Big Data (Big Data 2015), Workshop on Deriving Value from BigData in HealthCare, 2015.
8. ACM International Conference on Knowledge Discovery and Data Mining (ACM KDD), 2012, 2015.

10. ACM International Conference on Bioinformatics, Computational Biology, and Health Informatics (ACM BCB), Workshop on Big Data in Life Sciences (BigLS), 2014.

11. International Conference on Data Mining (IEEE ICDM), Workshop on Data Mining and Decision Analytics for Public Health and Wellness, 2014.

12. International Conference on Ubiquitous Computing & Ambient Intelligence (UCAmI), 2014.


Reviewer
- Annual Meeting of the Biomedical Engineering Society (BMES), 2020 (main conference, undergraduate session, 20+)
- American Medical Informatics Association (AMIA) Annual Symposium, 2016-2019

OUTREACH & INCLUSION

2019
- Artificial Intelligence in Medicine, Institute for Learning in Retirement at Oak Hammock

2019
- Join detection demo, BME Outreach Event at Cade Museum

2019
- Sponsoring the Madelyn Lockhart Dissertation Award, Association for Academic Women’s (AAW), Emerging STEM Scholar Award

2015-2016
- University Minority Mentor Program (UMMP), University of Florida

2015-2017
- Iranian Student Association Advisor, University of Florida

2016-2018
- UF Student Science Training Program (SSTP), University of Florida

MEDIA MENTIONS & INTERVIEWS

- CrossLink Magazine, Artificial Intelligence adds detail to health assessments in hospital intensive care units, November 2019, Link
Herbert Wertheim College of Engineering, University of Florida, “UF Engineer Uses AI to Enhance Health Assessments In ICU”, July 31, 2019, Link.

News Story, Fox 13, “Artificial Intelligence in the ICU”, February 2019, Link

News Story, CBS, “UF researchers develop new artificial intelligence system to help ICU patients”, February 2019, Link

News Story, UF Health Newsroom, “University of Florida researchers develop artificial intelligence system for fast, accurate patient care”, February 2019, Link

News Story, The Independent Florida Alligator, “UF researchers develop stronger, better, faster powered medical technology”, February 2019

Featured Alumni, the National Academy of Engineering (NAE) Frontiers of Engineering (FOE), December 2018.

News Story, NVIDIA Blog, “AI Assists Doctors Monitor ICU Patients”, May 2018, Link


News Story, The Gainesville Sun, “UF receives $2.5 million grant to study postsurgical pain”, July 2015. Link


Quotes and Video, UF Promotional Video, “Enabling Technologies”, October 2014. Link


UNIVERSITY & DEPARTMENT SERVICE

Summer 2020 – Present Research Computing Advisory Committee (RCAC) to represent the Wertheim College of Engineering

Fall 2020 – Present Committee Member, AI, Master’s Program

Spring 2020 - Present College of Engineering, AI Task Force

Master of Science with a major in Artificial Intelligence Systems
Fall 2019- Present  Co-Chair, master’s in applied data science Program

Fall 2019  Aging Faculty Search Committee

Fall 2015, Spring 2016, Spring 2017  BME Undergraduate Program Committee

Spring 2018, Fall 2018, Spring 2019, Fall 2019  BME Graduate Program Committee

Fall 2014, Spring 2015  BME Faculty Search Committee

Fall 2019  CISE Faculty Search Committee

Fall 2018, Spring 2019, Fall 2019  BME Executive Committee

Spring 2014 – Spring 2018  BME Seminar Committee

Fall 2018, Spring 2018, Spring 2019, Fall 2019  BME Research Committee

Spring 2014, Spring 2016, Fall 2018  Commencement Marshal

PROFESSIONAL MEMBERSHIP

Association for computing Machinery (ACM)  Professional Member  2011 - Present

Institute of Electrical and Electronics Engineers (IEEE)  Senior Member  2008 - Present

IEEE Computer Society  2008 - Present

IEEE Engineering in Medicine and Biology Society (EMBS)  2015 - Present

Biomedical Engineering Society (BMES)  2013 - Present

Association for Academic Women (AAW) at the University of Florida  2014 - Present

American Association of University Women (AAUW)  2017 - Present

Society of Women Engineers (SWE)  2015 - Present
Society for Imaging Informatics in Medicine (SiiM)  
2019 - Present

American Association for Advancement of Science (AAAS)  
2020 - Present
EMPLOYMENT
August 2019-Present: Assistant Professor, Department of Industrial and Systems Engineering, University of Florida, Gainesville, FL
June 2019-August 2019, Research Intern, ProcessMiner, Atlanta, GA
May 2018-August 2018, Research Intern, Xtal, San Jose, CA

EARNED DEGREES
Ph.D. in Industrial and Systems Engineering
Georgia Institute of Technology, Atlanta, GA
Specialization: System Informatics and Control
Minor: Machine Learning
Dissertation title: Modeling processes with heterogeneous high-dimensional data
Academic advisors: Dr. Jianjun (Jan) Shi and Dr. Kamran Paynabar

M.S. in Computational Science and Engineering
Georgia Institute of Technology, Atlanta, GA

M.S. in Applied Mathematics
Southern Illinois University Edwardsville
Academic advisor: Dr. Urszula Ledzewicz

M.S. in Civil and Environmental Engineering
Southern Illinois University Edwardsville
Specialization: Transportation Systems

B.S. in Civil and Environmental Engineering
Isfahan University of Technology, Isfahan, Iran

TEACHING
A. INDIVIDUAL STUDENT GUIDANCE
Independent study with grads/undergraduate
Jieying Zhu, Ph.D. student, Fall 2019, Monitoring approaches for dynamic networks
James Whitehurst, undergraduate, Spring 2020, data analytics for yield prediction in the agriculture industry.

B. OTHER TEACHING ACTIVITIES
1. Curriculum development – Graduate education:
High-Dimensional Data Analytics: Designed and developed a course on high dimensional data analytics with applications in healthcare and manufacturing.

2. Teaching
Instructor in ISE at the University of Florida
ESI4313: Two sections of Operations Research II, Spring 2020

Instructor in ISyE at Georgia Institute of Technology
ISyE3039: Methods for Quality Improvement, Spring 2019 (COA: 4.7/5)
ISyE2028: Basic Statistical Methods (3 sessions), ISyE, Spring 2018
ISyE6739: Statistical Methods (3 sessions), ISyE, Spring 2018
ISyE3039: Methods for Quality Improvement (4 sessions), ISyE, Fall 2017 and Fall 2018

Instructor in Math department in Southern Illinois University Edwardsville
College Algebra, Department of Mathematics and Statistics, Spring 2012
Differential Equations Lab, Department of Mathematics and Statistics, Fall 2011

Graduate Teaching Assistant, Georgia Institute of Technology

ISyE3038: Methods for Quality Improvement (4.63/5.0), ISyE, Fall 2017
Six Sigma, ISyE, Spring 2017
ISyE6404: Nonparametric Statistics (4.31/5.0), ISyE, Fall 2015

PUBLICATIONS

Refereed Journal Papers (accepted or published)

2. Reisi Gahrooei, M., Yan, H., Paynabar K., Shi, J. (2020), Multiple tensor-on-tensor regression: An approach for modeling processes with heterogeneous sources of data. Accepted for publication in Technometrics.

(This paper is the winner of the SAS Data Mining Best Paper Award, INFORMS, 2018)


(This paper was a finalist for Best Student Paper Award in the Industrial and Systems Engineering Conference in the Quality Control and Reliability Engineering (OCRE) division, 2018)


(Selected for presentation in the JQT session at 2017 INFORMS Annual Meeting)


(This paper is the recipient of the best poster award at the Career, Research, and Innovation Development Conference (CRIDC) at Georgia Tech, 2018)


Other Published Refereed Journal Papers (papers before joining the Ph.D. program)


**Refereed Journal Papers** (under review/revision)


**Refereed Conference Papers** (published in proceeding)


**INVITED PRESENTATIONS**

1. From data fusion to computer design of experiment: Adaptive approach for sampling high accuracy data. *INFORMS 2018 Annual Meeting*, Phoenix, AZ.
2. When are markets out of control? Monitoring financial networks with online Hurdle models, *INFORMS 2018 Annual Meeting*, Phoenix, AZ.
3. Multiple tensor-on-tensor approach for modeling of a process with heterogeneous data. *INFORMS 2018 Annual Meeting*, Phoenix, AZ.
7. Process modeling and prediction with high-dimensional variables using functional regression, *INFORMS 2017 Annual Meeting*, Houston, TX.

**SERVICE**

**A. PROFESSIONAL CONTRIBUTIONS**

Conference session organization

- Chair and organizer of a session on “data analytics for systems improvement” *IISE Annual conference*, New Orleans, LA, May 2020
• Chair and organizer of a session on “High-dimensional data analytics and its application in system informatics” INFORMS 2018 Annual Meeting, Phoenix, AZ. Nov. 2018.

Refereeing for Journals:

Membership: Member of Institute for Operations Research and the Management Sciences (INFORMS), Quality, Statistics, and Reliability and Data mining section of INFORMS, Institute of Industrial and Systems Engineers (IISE).

B. CAMPUS CONTRIBUTIONS
1- Committee member of masters of data analytics for college of engineering, Fall 2019-present
2- Applied OR/ data analytics search committee for ISE, Fall 2019-present
3- Graduate committee, ISE, Fall 2019-present
4- PhD Thesis committee:
   A. Yanan Yu (ISE, Fall 2019)
   B. Bijan Taslimi (ISE, Fall 2019)
   C. Seonho Park (ISE, Fall 2019)

GRANTS AND CONTRACTS
4. Phase-change detection through dynamic subspace learning in heterogeneous time-series, Source: ISE CRSF seed fund; PI: Reisi Gahrooei; Amount: 9,990; Date: 01/16/2020 – 10/15/2020
5. Human trafficking demand reduction strategies through network analytics and simulation modeling; Source: ISE CRSF seed fund; PI: Alvarado (50%), Co-PI: Reisi Gahrooei (50%); Amount: 10,000; Date: 01/16/2020 – 10/15/2020

SELECTED HONORS AND AWARDS
• Winner of the best paper award in SAS Data Mining Best Paper competition, INFORMS (2018).
• Finalist for best student paper award in the Industrial and Systems Engineering Conference in the Quality Control and Reliability Engineering (QCRE) division (2018).
• Best poster award at The Career, Research, and Innovation Development Conference (CRIDC) at Georgia Tech (2018) for the paper: Characterizing the aged state of Ni-based Superalloys based on process variables using PCA and tensor regression.
• Recipient of the high impact project from Illinois department of transportation for project ICT-R27-90 (2013).
• Outstanding student award, Department of Mathematics and Statistics, Southern Illinois University (2011).
• Recipient of the Research Grants for Graduate Students (RGGS), Southern Illinois University (2011).
Catia S. Silva
Lecturer  ·  Electrical and Computer Engineering  ·  University of Florida  ·  
(352) 727-0657  ·  catiaspsilva@ece.ufl.edu

A. PROFESSIONAL PREPARATION

<table>
<thead>
<tr>
<th>University</th>
<th>Location</th>
<th>Major</th>
<th>Degree &amp; Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Porto</td>
<td>Porto, Portugal</td>
<td>Mathematics</td>
<td>B.S. 2010</td>
</tr>
<tr>
<td>University of Porto</td>
<td>Porto, Portugal</td>
<td>Biomedical Engineering</td>
<td>M.S. 2012</td>
</tr>
<tr>
<td>University of Florida</td>
<td>Gainesville, FL</td>
<td>Electrical and Computer Engineering</td>
<td>M.S. 2015</td>
</tr>
<tr>
<td>University of Florida</td>
<td>Gainesville, FL</td>
<td>Electrical and Computer Engineering</td>
<td>Ph.D. 2018</td>
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</table>

B. APPOINTMENTS

<table>
<thead>
<tr>
<th>Date</th>
<th>Position</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jul. 2019 - Present</td>
<td>Lecturer, Electrical and Computer Engineering, University of Florida, Gainesville, FL</td>
<td></td>
</tr>
<tr>
<td>Jan. 2018 – May 2018</td>
<td>Instructor, University of Florida, Gainesville, FL</td>
<td></td>
</tr>
<tr>
<td>Aug. 2013 – May 2018</td>
<td>Graduate Research Assistant, Computational NeuroEngineering Laboratory, University of Florida, Gainesville, FL</td>
<td></td>
</tr>
<tr>
<td>Jan. 2012 – June 2013</td>
<td>Research Scientist, Power and Energy Unit, INESC TEC, Porto, Portugal</td>
<td></td>
</tr>
</tbody>
</table>

C. RELEVANT PUBLICATIONS


D. SYNERGISTIC ACTIVITIES

1. Educational Service: Currently teaching undergraduate and graduate level courses for introductory and fundamental concepts in Machine Learning, and undergraduate level data science course. These courses include in-class participation activities as well as group activities, promoting student leadership skills and student learning styles.

2. Educational Outreach: Aided in the design and coursework material development of a new undergraduate course “Data Science for ECE”. This course will become the foundational required course for Electrical Engineers willing to pursue a wide range of EE studies including a potential Machine Learning track. This course is completely offered in IPython environment, providing the data science material but also Python programming experience.

3. Professional Development supported by the CITT institute at the University of Florida.
   
   Certificates: (1) Great Online Teaching Certificate, (2) Great Teaching Certificate, (3) Great Teaching for New Faculty Certificate, (4) Utilizing Active Learning to Enhance Student Success
   
   Other Activities: (1) Creating Online Experiential Learning, (2) Great Teaching with Vulnerable Storytelling, (3) Asynchronous Discussions for Remote Learning.

4. Service: Serving as a Faculty mentor for the University Multicultural Mentor Program (UMMP) at the University of Florida, 2020-present.
Michael R. Tonks, Ph.D.
Associate Professor
Department of Materials Science and Engineering
University of Florida
158 Rhines Hall
Gainesville, FL 32611
Phone: (352) 846-3779; Email: michael.tonks@ufl.edu

Education and Training:

<table>
<thead>
<tr>
<th>Institution</th>
<th>Major/Area</th>
<th>Degree</th>
<th>Year</th>
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</thead>
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<tr>
<td>Brigham Young University</td>
<td>Mechanical Engineering</td>
<td>B.S.</td>
<td>2001</td>
</tr>
<tr>
<td>Brigham Young University</td>
<td>Mechanical Engineering</td>
<td>M.S.</td>
<td>2002</td>
</tr>
<tr>
<td>University of Illinois in Urbana/Champaign</td>
<td>Mechanical Engineering</td>
<td>Ph.D.</td>
<td>2008</td>
</tr>
</tbody>
</table>

Research and Professional Experience:

- 2017-present  Associate Professor, University of Florida
  - Modeling fuel and cladding performance using MARMOT and BISON.
  - Applying modeling and simulation to assist in the evaluation of accident tolerant reactor fuel concepts, including UO$\text{\textsubscript{2}}$ with additives, U$_3$Si$_2$ and SiC cladding.
  - Investigating the performance thermal protection systems for reentry vehicles
- 2015-2017  Assistant Professor, Pennsylvania State University
  - Used BISON and MARMOT to model nuclear material performance
  - Simulated the impact of surface roughness on wetting behavior
  - Modeled the thermal behavior of CERMET fuels for nuclear thermal protection
- 2014-2015  Group lead, Idaho National Laboratory
  - Led seven full time staff in the microstructure science and engineering group
  - Led MARMOT development
  - Simulated the coevolution of microstructure and properties of nuclear materials
- 2009-2014  Staff Scientist, Idaho National Laboratory
  - Created the mesoscale MARMOT nuclear materials tool
  - Created the phase field module and developed the tensor mechanics module in the MOOSE framework
  - Simulated the coevolution of microstructure and properties of nuclear materials framework
- 2008-2009  Postdoctoral researcher, Idaho National Laboratory
  - Simulated the impact of fission gas bubble formation on macroscale fuel performance using concurrent multiscale modeling
  - Developed a model of the impact of elastic deformation on grain growth

Ten relevant publications:


Patents, Copyrights, and Software Systems

- Original creator of the MARMOT tool in August, 2009.

Synergistic Activities:

- MARMOT Development Team Leader, Aug 2009 to Aug 2015, lead development of the MARMOT mesoscale computational nuclear material tool as part of the Nuclear Energy Advanced Modeling and Simulation Program’s Fuels Product Line.


- PI of INL Laboratory Directed R&D (LDRD) project, June 2013 to Aug 2015, lead team of experimentalists and modelers to develop a fundamental model of hydride formation and reorientation in pure zirconium and zirconium alloys.

- Chair of the TMS Nuclear Materials Committee, 2019 - Present

Honors and awards:

- 2017: Presidential Early Career Award for Scientists and Engineers
- 2015: ANS Materials Science and Technology Division Special Achievement Award
- 2014: Idaho National Laboratory Early Career Exceptional Achievement Award, US DOE Nuclear Energy Advanced Modeling and Simulation Program Excellence Award, TMS SMD Young Leader Professional Development Award.
NSF BIOGRAPHICAL SKETCH

NAME: Zare, Alina
ORCID: 0000-0002-4847-7604
POSITION TITLE & INSTITUTION: Professor, University of Florida

(a) PROFESSIONAL PREPARATION

<table>
<thead>
<tr>
<th>INSTITUTION</th>
<th>LOCATION</th>
<th>MAJOR / AREA OF STUDY</th>
<th>DEGREE (if applicable)</th>
<th>YEAR YYYY</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Florida</td>
<td>Gainesville</td>
<td>Computer Engineering</td>
<td>BENG</td>
<td>2003</td>
</tr>
<tr>
<td>University of Florida</td>
<td>Gainesville</td>
<td>Computer Engineering</td>
<td>MS</td>
<td>2008</td>
</tr>
<tr>
<td>University of Florida</td>
<td>Gainesville</td>
<td>Computer &amp; Information Science &amp; Engineering</td>
<td>Ph.D.</td>
<td>2008</td>
</tr>
</tbody>
</table>

(b) APPOINTMENTS

- 2020 - present: Professor, University of Florida, Electrical and Computer Engineering, Gainesville, FL
- 2016 - 2020: Associate Professor, University of Florida, Electrical and Computer Engineering, Gainesville, FL
- 2016 - 2016: Associate Professor, University of Missouri, Electrical and Computer Engineering, Columbia, Missouri
- 2010 - 2016: Assistant Professor, University of Missouri, Electrical and Computer Engineering, Columbia, Missouri

(c) PRODUCTS

Products Most Closely Related to the Proposed Project


Other Significant Products, Whether or Not Related to the Proposed Project


(d) SYNERGISTIC ACTIVITIES

1. Program Chair for Phenome 2020 (as well as other relevant workshops and conferences).

2. Revised undergraduate and graduate level Supervised Machine Learning and Unsupervised Machine Learning courses to be student-centered active learning courses which include in-class individual and group activities.

3. Developed a set of outreach activities for incoming college freshman and high school students to teach remote sensing and spectroscopy concepts. These outreach activities will be implemented at the University of Florida through the STEPUP and Freshman Bridge programs.

4. Participated in technology transfer to multiple government defense agencies by providing programs, papers, and presentations.
EDUCATION

Johns Hopkins University
- Ph.D. in Civil Engineering (Concentration: Systems Engineering) 2017
- M.S.E. in Applied Mathematics and Statistics 2017
- M.S.E. in Civil Engineering 2016

Southeast University
- B.E. in Civil Engineering 2013

PROFESSIONAL EXPERIENCE

University of Florida (UF)
- Assistant Professor, Department of Civil and Coastal Engineering 2019-
- Affiliate Assistant Professor, Department of Industrial and System Engineering
- Affiliate Faculty, University of Florida Transportation Institute

Georgia Institute of Technology (GT)
- Postdoctoral Fellow, H. Milton Stewart School of Industrial and Systems Engineering 2018-2019

University of Michigan (UM)
- Research Fellow, Department of Industrial and Operations Engineering 2017-2018

Johns Hopkins University (JHU)
- Research Assistant & Teaching Assistant, Department of Civil Engineering 2014-2017

PUBLICATIONS & PATENT

(Note: The student supervised by me is underlined.)

Work in Progress


Published/In Press


**Patent**


**TEACHING**

| Instructor | for CGN 4905/6905 Transportation Data Analytics at UF | Fall 2020 |
| Instructor | for CGN 6905 Machine Learning Applications in Civil Engineering at UF | Spring 2020 |
| Enrollment: 29; Course evaluation: 4.47/5.00 |
| Lecturer | for Two-Day Workshop of Applying Statistical Methods in Traffic Modeling at Morgan State University | Apr 2018 |
| Teaching Assistant | for EN.560.220 Civil Engineering Analysis at JHU | Fall 2014 & Fall 2015 |

**MENTORSHIP**

Master of Science with a major in Artificial Intelligence Systems 144
Yiming Xu, UF Ph.D. Student in Civil and Coastal Engineering 2019-
Mudit Paliwal, UF M.S. Student in Industrial and Systems Engineering 2020-
Zhuoxuan Cao, UF M.S. Student in Civil and Coastal Engineering 2020-
Ningzhe Xu, UF M.S. Student in Civil and Coastal Engineering 2020-
Kaitai Yang, UF M.S. Student in Civil and Coastal Engineering 2020-
Shirin Noei, UF Ph.D. Student in Civil and Coastal Engineering 2019-2020
  · Current position: Research Assistant Professor at Tennessee Tech University
Xinyu Liu, GT Ph.D. Student in Industrial and Systems Engineering 2018-2019
Alan Yu, UM BS’20 in Computer Science 2018-2018
Jacob Ketterer, UM BS’18 in Computer Science 2017-2018

GRANTS

Pending Support

Scalable charging and rebalancing solutions for shared connected and automated vehicles
  · X. Zhao (Co-PI), X. Sun (PI)
  · NSF S&CC Planning Grant; May, 2020 - May, 2021; $150,000

Real-time management of micromobility services for smart cities
  · X. Zhao (PI), X. Sun (Co-PI), Y. Yang (Co-PI)
  · UF Research Artificial Intelligence Research Catalyst Fund; Jan, 2021 - Dec, 2021; $50,000

Smart multimodal mobility options for the town of Miami Lakes to link housing, jobs, and activity centers
  · X. Zhao (Co-PI), S. Srinivasan (PI), L. Elefteriadou (Co-PI), L. Du (Co-PI), R. Steiner (Co-PI)
  · NSF Civic Innovation Challenge Track A; Dec, 2020 - Mar, 2021; $49,965

Current Support

Analyzing wildfire evacuation behavior with GPS data
  · X. Zhao (PI), R. Lovreglio (Co-PI), D. Nilsson (Co-PI), K. Nguyen (Co-PI), E. Kuligowski (Senior Personnel)
  · NIST; Sept, 2020 - Aug, 2021; $99,999

Mobility-on-Demand transit for smart and sustainable cities
  · X. Zhao (PI), N. Kaza (Co-PI), N. Kittner (Co-PI), N., McDonald (Co-PI), V. Sisiopiku (Co-PI), X. Jin (Co-PI), J. LaMondia (Co-PI), X. Yan (Co-PI), A. Broaddus (Co-PI)
  · USDOT – STRIDE UTC; Sept, 2019 - Aug, 2020; $413,430

Modeling of evacuation behavior in the 2019 Kincade Fire, Sonoma County, California
  · X. Zhao (PI), R. Lovreglio (Senior Personnel), E. Kuligowski (Senior Personnel), D. Nilsson (Senior Personnel)

Master of Science with a major in Artificial Intelligence Systems 145
· Natural Hazards Center Quick Response Research Grant Program; Feb, 2020 - Dec, 2020; $3,000

**Community-driven evacuation planning and scheduling**

· X. Zhao (PI), R. Liu (Co-PI)
· Florida Sea Grant Program Development Funding; Feb, 2020 - Feb, 2021; $10,000

**An IoT-enabled critical infrastructure information network for a future resilient city**

· X. Zhao (Co-PI), R. Liu (PI), X. Yu (Co-PI)
· The Florida Institute for Built Environment Resilience (FIBER) Florida Resilient Cities Program; Jan, 2020 - Jun, 2020; $6,667

**Micro-mobility as a solution to reduce urban traffic congestion**

· X. Zhao (PI), V. Sisiopiku (Co-PI), R. Steiner (Co-PI)
· USDOT – STRIDE UTC; Nov, 2019 - Apr, 2020; $134,759

**Previous Support**

**Mobilizing accessibility in Detroit and Ypsilanti**

· X. Zhao (Co-PI), P. Van Hentenryck (PI), X. Yan (Co-PI)
· Total award: $50,000
· The UM Poverty Solutions’ Project Development Funding Program

**Modeling and estimation in urban transportation networks**

· X. Zhao (UM Sponsor PI), J. Spall (APL PI), E. Kemajou-Brown (MSU PI)
· UM subcontract: $6,000; Total award: $100,000
· The Johns Hopkins University Applied Physics Laboratory (APL) IRAD Program

**INVITED TALKS**

[19] Introduction to data analytics for transportation. UFTI Webinar, 2020. (Co-presented with Xiang Yan and Sanjay Ranka)


CONFERENCE PRESENTATIONS


**HONORS & AWARDS**

- The 11th National Conference on Earthquake Engineering Registration Grant  
  · Earthquake Engineering Research Institute  
  Jun 2018

- Applied Mathematics and Statistics Award for Outstanding Master’s Research  
  · Johns Hopkins University  
  May 2017

- Duncan Fund for the Advancement of Research in Statistics Travel Award  
  · Johns Hopkins University  
  Jul 2016 & Jul 2017

- Whiting School of Engineering Centennial Fellowship  
  · Johns Hopkins University  
  2013 - 2014

- First Prize  
  · The 2013 National Civil Engineering Innovation Award for Undergraduate Students (China)  
  Nov 2013

- Best Creativity Award & My Favorite Program  
  · The 6th National College Innovation and Entrepreneurship Annual Meeting (China)  
  Nov 2013

- Second Prize of Teaching Competition  
  · New Oriental Education and Technology Group Inc. (Nanjing Division of China)  
  Dec 2012

- Excellent Paper Award & Second Prize of Mutual Support Structure Contest  
  · The 2nd National Civil Engineering Student Forum (China)  
  Aug 2012

- Excellence Award of Structure Innovation Competition  
  · Southeast University  
  Apr 2012
Model Student of Academic Records
· Maintained ranking of top 5% in the first two academic years at the Southeast University

Jin Baozhen Alumni Scholarship
· Southeast University

**SERVICE AND PROFESSIONAL AFFILIATIONS**

**Journal/Conference Referee**
· *Transportation Research Part A: Policy and Practice*
· *Transportation Research Part C: Emerging Technologies*
· *Transportation Research Part D: Transport and Environment*
· *Transportation Research Part E: Logistics and Transportation Review*
· *Natural Hazards Review*
· *Fire Technology*
· *Safety Science*
· *Journal of Building Engineering*
· *IEEE Transactions on Automatic Control*
· *IEEE Transactions on Intelligent Transportation Systems*
· *IEEE Conference on Decision and Control*
· *American Control Conference*
· *TRB Annual Meetings and Transportation Research Record*
· *International Journal of Sustainable Transportation*

**Steering Committee Member** of the Interstate Transit Research Symposium (2020-)

**Organizer** of the 6th Annual Resiliency Simulation and Workshop at TRB 2021 (2020-)

**Committee Member** of new M.S. degree in AI Systems, UF (2020-)

**Organizer** of 2020 UN International Women and Girls in Science Day at UF (2020)

**Committee Member** of new M.S. degree in Applied Data Science, UF (2019-2020)

**Supervisor**, Undergraduate Senior Design (Project: Redesigning Public Transit Systems for Atlanta), GT (2018-2019)

**Poster Judge**, Undergraduate Research Opportunity Program Symposium, UM (2018)


**President** (2016-2017) and **Vice President** (2015-2016), Earthquake Engineering Research Institute’s Student Chapter at JHU

**Academic Coordinator**, Civil Engineering Graduate Board, JHU (2016-2017)

New Master of Science (M.S.) degree with a major in Genetics and Genomics

Description: The College of Medicine seeks to create a Master of Science (M.S.) degree with a major in Genetics and Genomics.

<table>
<thead>
<tr>
<th>University of Florida</th>
<th>Fall 2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>Institution Submitting Proposal</td>
<td>Proposed Implementation Term</td>
</tr>
<tr>
<td>Graduate School Multi-college (CALS, CLAS, COM)</td>
<td>(Dept. in which Genetics Institute members hold appointments)</td>
</tr>
<tr>
<td>Name of College(s) or School(s)</td>
<td>Name of Department(s)/Division(s)</td>
</tr>
<tr>
<td>Genetics and genomics</td>
<td>Master of Science with a major in Genetics &amp; Genomics</td>
</tr>
<tr>
<td>Academic Specialty or Field</td>
<td>Complete Name of Degree</td>
</tr>
<tr>
<td>26.0801</td>
<td>Proposed CIP Code (2020 CIP)</td>
</tr>
</tbody>
</table>

The submission of this proposal constitutes a commitment by the university that, if the proposal is approved, the necessary financial resources and the criteria for establishing new programs have been met prior to the initiation of the program.

<table>
<thead>
<tr>
<th>Date Approved by the University Board of Trustees</th>
<th>President’s Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Board of Trustees Chair’s Signature</td>
<td>Date</td>
<td>Provost’s Signature</td>
</tr>
</tbody>
</table>

PROJECTED ENROLLMENTS AND PROGRAM COSTS

Provide headcount (HC) and full-time equivalent (FTE) student estimates for Years 1 through 5. HC and FTE estimates should be identical to those in Appendix A – Table 1. Indicate the program costs for the first and the fifth years of implementation as shown in the appropriate columns in Appendix A – Table 3A or 3B. Calculate an Educational and General (E&G) cost per FTE for Years 1 and 5 by dividing total E&G by FTE.
<table>
<thead>
<tr>
<th>Implementation Timeframe</th>
<th>HC</th>
<th>FTE</th>
<th>E&amp;G Cost per FTE</th>
<th>E&amp;G Funds</th>
<th>Contract &amp; Grants Funds</th>
<th>Auxiliary/Philanthropy Funds</th>
<th>Total Cost</th>
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<tbody>
<tr>
<td>Year 1</td>
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<td>3.75</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
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<tr>
<td>Year 2</td>
<td>7</td>
<td>5.25</td>
<td>$0</td>
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<td>Year 3</td>
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<td>Year 4</td>
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<td>Year 5</td>
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<td>$0</td>
<td>$0</td>
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<td>$0</td>
<td>$0</td>
</tr>
</tbody>
</table>
Additional Required Signatures

I confirm that I have reviewed and approved Need and Demand Section III.F. of this proposal.

__________________________________________________________________________
Signature of Equal Opportunity Officer                                              Date

I confirm that I have reviewed and approved Non-Faculty Resources Section VIII.A. and VIII.B. of this proposal.

__________________________________________________________________________
Signature of Library Dean/Director                                               Date
Introduction

I. Program Description and Relationship to System-Level Goals

A. Describe within a few paragraphs the proposed program under consideration, and its overall purpose, including:
   - degree level(s)
   - majors, concentrations, tracks, specializations, or areas of emphasis
   - total number of credit hours
   - possible career outcomes for each major (provide additional details on meeting workforce need in Section III)

The University of Florida is proposing a Master of Science (M.S.) degree with a major in Genetics & Genomics. No concentrations, tracks, or specializations are planned, and the non-thesis degree program will be 33 credit hours. A successful Ph.D. program in Genetics & Genomics began in 2006.

Genetics & Genomics is one of the fastest-growing scientific fields with both basic and translational aspects relevant to technological and medical breakthroughs. UF is well-positioned to offer a cost-effective STEM M.S. degree that provides courses in the cutting-edge fields of bioinformatics, computational biology, genomic technology, and artificial intelligence/machine learning, as well as hands-on research experience. As more students earn B.S. degrees, given the increased national support for college education, an M.S. degree will often be needed to remain competitive in the job market and for further graduate education. Students with B.S. degrees in the biological sciences from multiple departments at UF, e.g., Biology, Psychology, Statistics, Zoology, will be prepared for the M.S. degree in Genetics & Genomics.

Successful completion of the M.S. degree will prepare students for an immediate job as a Genetic counselor (SOC 29-9092), Biological Science Teacher, Postsecondary (SOC 25-1042), Biological Technician (SOC 19-4021), or Biological Scientist, All Other (SOC 19-1029). A Genetics & Genomics M.S. will also increase the student’s competitiveness for medical school or continuance to the Ph.D. in Genetics & Genomics or a related field.

B. If the proposed program qualifies as a Program of Strategic Emphasis, as described in the Florida Board of Governors 2025 System Strategic Plan, please indicate the category.
   - Critical Workforce
     □ Education
     □ Health
     □ Gap Analysis
   - Economic Development
     □ Global Competitiveness
     ※ Science, Technology, Engineering, and Math (STEM)
   □ Does not qualify as a Program of Strategic Emphasis.
II. Strategic Plan Alignment, Projected Benefits, and Institutional Mission and Strength

A. Describe how the proposed program directly or indirectly supports the following:
   - System strategic planning goals (see link to the 2025 System Strategic Plan on the New Program Proposals & Resources webpage)
   - the institution's mission
   - the institution's strategic plan

The M.S. degree in Genetics & Genomics (G&G) program directly supports the main SUS goal of increased production of graduates in STEM fields. Genetics & Genomics is one of the most diverse and applicable of the STEM fields and includes all of the fields listed in the first sentence of the 2025 System Strategic Plan - “To be truly great, Florida must have well-educated citizens who are working in diverse fields, from science and engineering to medicine and bioscience to computer science.”

The University of Florida (UF) has made a commitment to STEM fields and specifically to artificial intelligence (AI) and machine learning. The proposed program includes training in bioinformatics, biostatistics, precision medicine, computer science, and machine learning in a 33-credit/4-semester M.S. degree program.

There is a state and national need for more workers trained in STEM fields, and particularly in the high-tech fields of genomic technology, bioinformatics, and computational biology. The M.S. with a major in Genetics & Genomics will address this need by providing two semesters of rigorous coursework in genomics, bioinformatics, and quantitative analysis of ‘big data’ and two semesters of professional development, including hands-on research experience in a UF laboratory or in a biotechnology company in the Gainesville area.

B. Describe how the proposed program specifically relates to existing institutional strengths. This can include:
   - existing related academic programs
   - existing programs of strategic emphasis
   - institutes and centers
   - other strengths of the institution

The proposed M.S. degree in G&G program builds on the success of the G&G Ph.D. program that began in 2006. Students in the M.S. in G&G program will take the same classes as G&G Ph.D. students in Year 1 Fall and Spring, so no new courses are required for the M.S. degree. The Ph.D. and M.S. degree programs with a major in G&G are collaborative and interdisciplinary in nature so these programs are managed by the UF Genetics Institute (UFGI). UFGI is a multi-college institution with over 200 faculty from more than 50 departments in nine colleges and three centers/institutes at UF. Thus, there is a wealth of faculty, courses, and laboratories to support the M.S. in G&G degree. The strengths and benefits of the M.S. program to UF and the UFGI will be synergistic.

C. Provide the date the pre-proposal was presented to the Council of Academic
Vice Presidents Academic Program Coordination (CAVP ACG). Specify whether any concerns were raised, and, if so, provide a narrative explaining how each concern has been or will be addressed.

The pre-proposal was presented and approved at the CAVP review group at the Sept 7, 2022, meeting. There were no concerns.

D. In the table below, provide a detailed overview and narrative of the institutional planning and approval process leading up to the submission of this proposal to the Board office. Include a chronology of all activities, providing the names and positions of both university personnel and external individuals who participated in these activities.

- If the proposed program is a bachelor's level, provide the date the program was entered into the APPRiSe system, and, if applicable, provide narrative responding to any comments received from APPRiSe.
- If the proposed program is a doctoral-level program, provide the date(s) of the external consultant’s review in the planning table. Include the external consultant’s report and the institution's responses to the report as Appendix B.

Planning Process

In 2016, a 10-year review of the Genetics & Genomics Ph.D. program recommended expanding the Genetics & Genomics Program to include an M.S. degree option. With the hiring of program specialist Dr. Brittany Hollister in 2019, the appointment of Dr. Connie Mulligan as G&G Ph.D. program coordinator in 2021, and the appointment of Dr. Tom Burris as Director of the UFGI in 2021, a pre-proposal for an M.S. in G&G was submitted in November 2021. The pre-proposal was approved in Sept 2022, and the full proposal was submitted in November 2022.

<table>
<thead>
<tr>
<th>Date</th>
<th>Participants</th>
<th>Planning Activity Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer 2021</td>
<td>Genetics Institute Director Dr. Tom Burris</td>
<td>Based on the 10-year review of the Genetics &amp; Genomics Ph.D. program, we began developing a new M.S. degree in Genetics &amp; Genomics</td>
</tr>
<tr>
<td></td>
<td>Genetics &amp; Genomics Graduate Program Coordinator Dr. Connie Mulligan</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Academic program specialist Dr. Brittany Hollister</td>
<td></td>
</tr>
<tr>
<td>Sept 2021</td>
<td>Dean of College of Medicine Dr. Colleen Koch</td>
<td>COM Dean supports the M.S. degree proposal</td>
</tr>
<tr>
<td>Nov 2021</td>
<td>Genetics &amp; Genomics Graduate Program Coordinator Dr. Connie Mulligan</td>
<td>Pre-proposal is submitted to the Office of the Provost</td>
</tr>
<tr>
<td>Sept 2022</td>
<td>Assistant Provost Dr. Cheryl Gater</td>
<td>Pre-proposal is approved by the Council of Academic Vice Presidents</td>
</tr>
</tbody>
</table>
E. Provide a timetable of key events necessary for the implementation of the proposed program following approval of the program by the Board office or the Board of Governors, as appropriate, and the program has been added to the State University System Academic Degree Program Inventory.

Events Leading to Implementation

All necessary faculty and courses already exist, and recruitment activities for the M.S. degree will build on existing recruitment activities for the G&G Ph.D. program. Nothing else is necessary to implement the M.S. in G&G degree.

<table>
<thead>
<tr>
<th>Date</th>
<th>Implementation Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 2022</td>
<td>Degree Proposal submitted for university approval</td>
</tr>
<tr>
<td>June 8, 2023</td>
<td>Board of Trustee Approval</td>
</tr>
<tr>
<td>Summer 2023</td>
<td>Recruitment and admission of first M.S. cohort</td>
</tr>
<tr>
<td>Fall 2023</td>
<td>Projected implementation of degree program</td>
</tr>
</tbody>
</table>

Institutional and State Level Accountability

III. Need and Demand

A. Describe the workforce need for the proposed program. The response should, at a minimum, include the following:
- current state workforce data as provided by Florida's Department of Economic Opportunity
- current national workforce data as provided by the U.S. Department of Labor’s Bureau of Labor Statistics
- requests for the proposed program from agencies or industries in your service area
- any specific needs for research and service that the program would fulfill

There is a great national and state need for students with MS-level training in Genetics & Genomics. The following table reports data from the FL DEO showing predicted growth of 7.0 – 23.8% for the four occupations specifically associated with the Genetics & Genomics CIP (highlighted in yellow) and positive growth for all related occupations. Furthermore, the table shows that FL DEO recommends M.S. degrees for six of the occupations, in contrast to the US BLS, that only recommends M.S. degrees for two of the occupations, reflecting the FL DEO’s understanding of the value of an M.S. STEM degree.

<table>
<thead>
<tr>
<th>SOC Code</th>
<th>SOC Title</th>
<th>2022</th>
<th>2030</th>
<th>Percent Growth</th>
<th>Total Job Openings</th>
<th>FL DEO</th>
<th>US BLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>19-1022</td>
<td>Microbiologists</td>
<td>293</td>
<td>327</td>
<td>11.6</td>
<td>249</td>
<td>M+</td>
<td>B</td>
</tr>
<tr>
<td>19-1023</td>
<td>Zoologists and Wildlife Biologists</td>
<td>1,628</td>
<td>1,719</td>
<td>5.6</td>
<td>1,250</td>
<td>B</td>
<td>B</td>
</tr>
<tr>
<td>19-1029</td>
<td>Biological Scientists, All Other</td>
<td>1,979</td>
<td>2,118</td>
<td>7.0</td>
<td>1,558</td>
<td>B</td>
<td>B</td>
</tr>
<tr>
<td>19-1031</td>
<td>Conservation Scientists</td>
<td>603</td>
<td>652</td>
<td>8.1</td>
<td>504</td>
<td>B</td>
<td>B</td>
</tr>
</tbody>
</table>
In the following table, data from the US BLS that are specific for Florida support the predicted growth of Genetics & Genomics related occupations and demonstrate high annual wages starting at $40,000-$77,878.

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>26.0801</td>
<td>Genetics, General.</td>
<td>19-1029</td>
<td>Biological Scientists, All Other</td>
<td>7.30%</td>
<td>$70,450</td>
</tr>
<tr>
<td></td>
<td></td>
<td>19-4021</td>
<td>Biological Technicians</td>
<td>14.20%</td>
<td>$40,851</td>
</tr>
<tr>
<td></td>
<td></td>
<td>25-1042</td>
<td>Biological Science Teachers, Postsecondary</td>
<td>13.60%</td>
<td>$77,878</td>
</tr>
<tr>
<td></td>
<td></td>
<td>29-9092</td>
<td>Genetic Counselors</td>
<td>NOT AVAILABLE</td>
<td>NOT AVAILABLE</td>
</tr>
</tbody>
</table>

Finally, students with an M.S. with a major in Genetics & Genomics will be more competitive than students with only a B.S. degree for admission into Ph.D. programs. There are a wealth of jobs for students who complete a Ph.D. in Genetics and Genomics, as evidenced by the October 31, 2022 listing in Science Careers (the journal for the American Association for the Advancement of Science) showing 73 advertised jobs in Genetics and 49 advertised jobs in Functional Genomics and Pharmacogenomics (see screenshots below).
B. Provide and describe data that support student demand for the proposed program. Include questions asked, results, and other communications with prospective students.

Recognizing the critical and unmet need for training in this cutting-edge area, the University of Florida established an intercollegiate Ph.D. Program in Genetics & Genomics in 2006. The ten-year review of this program obtained input from program students, graduate faculty affiliated with the program, and an external advisory board (see excerpts below and see pages 6-8 of the full report in Table 2 – Appendix I). All three groups recommended expanding the Genetics & Genomics Program to include an M.S. degree option. The benefits of such a program are clear – there is considerable demand for individuals trained in genomic technology, bioinformatics, and computational biology, as provided by the current Genetics & Genomics curriculum, and this demand will grow as data-intensive practices make further inroads into medicine and agriculture. We anticipate high demand for an M.S. degree in Genetics & Genomics.

Excerpts from a 10-year review of the G&G Ph.D. program:
- Student evaluation summary - There was broad support for the development of a Master of Science program to complement the existing Ph.D. program. Some G&G students wish to obtain an M.S. degree in addition to their Ph.D. Others see the inclusion of the M.S. as a way to expand the census of students in the program and strengthen the overall intellectual environment.
- Faculty evaluation summary - The committee recommended adding an M.S. program noting that the focus of the G&G Program on computational approaches if translated to an M.S. program, would fill an important workforce niche. The increasing impact of Big Data on genetics would make such trainees particularly competitive for jobs in both academia and industry. To facilitate the creation of such a program, the committee also suggested exploring the possibility of moving some of the curricula to an online delivery format.
- External advisory board evaluation - Strong employment opportunities for graduates with an M.S. focused on bioinformatics and computational biology
- Final review recommendation - Reviewers were uniform in their recommendation of expanding the G&G Program to include an M.S. degree option. The benefits of such a program are clear—there is considerable demand for individuals with training in bioinformatics and computational biology, and this demand is likely to grow as data-intensive practices make further inroads into medicine and agriculture.

C. Complete Appendix A – Table 1 (1-A for undergraduate and 1-B for graduate) with projected student headcount (HC) and full-time equivalents (FTE).
   - Undergraduate FTE must be calculated based on 30 credit hours per year
   - Graduate FTE must be calculated based on 24 credit hours per year

In the space below, provide an explanation for the enrollment projections. If students within the institution are expected to change academic programs to enroll in the proposed program, describe the anticipated enrollment shifts and impact on enrollment in other programs.

Enrollment is expected to start at 5 students in Year 1 and modestly increase to 20 students in Year 5. Enrollment may increase faster since STEM M.S. programs are becoming more popular with students so they can maintain competitiveness in the job market as well as apply to graduate and medical school—if enrollment exceeds our predictions, we will add sections of the existing courses to accommodate more students. We anticipate that the majority of students will come from B.S. degree programs at UF or other public universities in Florida. We expect a small number of out-of-state students and international students. We do not anticipate any students transferring from other graduate programs at UF.

D. Describe the anticipated benefit of the proposed program to the university, local community, and the state. Benefits of the program should be described both quantitatively and qualitatively.

University: UF has made a commitment to STEM fields and specifically to artificial intelligence (AI) and machine learning. The proposed program supports UF goals since the curriculum includes training in bioinformatics, biostatistics, precision medicine, computer science, and machine learning.

Local community: The high caliber and entrepreneurship of UF faculty have created a dynamic atmosphere to market UF-developed technologies at Sid Martin Biotech and other start-up companies in the area. M.S. students will be a benefit to these companies while they are in the program through internships in the 3rd and 4th semesters (see letters of support in Table 1 – Appendix D) and as trained employees after they graduate.

State of Florida: There is a great state need for students with M.S.-level training in Genetics & Genomics that will be provided by the proposed degree program. The table in Section III.A reports data from the FL DEO shows predicted growth of 7.0–23.8% for the four occupations specifically associated with the Genetics & Genomics CIP and positive growth for all related occupations.
E. If other public or private institutions in Florida have similar programs that exist at the four- or six-digit CIP Code or in other CIP Codes where 60 percent of the coursework is comparable, identify the institution(s) and geographic location(s). Summarize the outcome(s) of communication with appropriate personnel (e.g., department chairs, program coordinators, deans) at those institutions regarding the potential impact on their enrollment and opportunities for possible collaboration in the areas of instruction and research.

There is currently no M.S. degree under this CIP code within the SUS.

F. Describe the process for the recruitment and retention of a diverse student body in the proposed program. If the proposed program substantially duplicates a program at FAMU or FIU, provide a letter of support from the impacted institution(s) addressing how the program will impact the institution’s ability to attract students of races different from that which is predominant on the FAMU or FIU campus. The institution’s Equal Opportunity Officer shall review this Section of the proposal, sign, and date the additional signatures page to indicate that all requirements of this section have been completed.

The proposed program does not substantially duplicate programs at FAMU or FIU. We plan to build on the success of the current Genetics & Genomics Ph.D. program in recruiting and retaining a diverse student body. The Genetics & Genomics Ph.D. program has traditionally enrolled and graduated a highly diverse student body. Since the program began in 2006, the gender distribution of graduates is 51% female and 49% male, which is unusually balanced for a STEM field. Counting only US residents, the ethnic distribution of graduates is 39% under-represented minorities (URM; Hispanic/Latino, African American, and American Indian students) and 61% whites. The recent incoming cohorts are as follows: 25% URM in 2019, 50% URM in 2020, 50% URM in 2021, and 75% URM in 2022. Furthermore, in the 16 years since the Ph.D. program started, only a single URM student (<5%) has left the program without a Ph.D.

We also plan to recruit first-generation students. Many students who graduate with a B.S. degree in the biological sciences are not yet competitive for a job in biotechnology or for a Ph.D. program. Many of these students are first-generation students, and we plan to actively recruit for the M.S. degree in G&G.

Establishing an M.S. degree in Genetics & Genomics builds on the success of the current Ph.D. program and will diversify UF’s graduate student population.
IV. Curriculum

A. Describe all admission standards and all graduation requirements for the program. Hyperlinks to institutional websites may be used to supplement the information provided in this subsection; however, these links may not serve as a standalone response. For graduation requirements, please describe any additional requirements that do not appear in the program of study (e.g., milestones, academic engagement, publication requirements).

Admission standards for coursework are the same as those for the G&G Ph.D. program: A or B in undergraduate courses in genetics, statistics, and Calculus I is expected. Undergraduate research will strengthen a student’s application but is not required. Admission to the University of Florida Graduate School includes submission of undergraduate transcripts, resume or curriculum vitae, and letters of recommendation. The GRE is not required for admission.

The M.S. degree program is based on coursework plus two semesters of GMS 5905 Foundations for a Career in Genetics & Genomics—successful completion of these courses with a minimum GPA of 3.0 is required for the M.S. degree.

Oversight for M.S. students will be at the program level through a supervisory committee that will be chaired by the graduate coordinator. Members of the supervisory committee will include instructors of the first-year courses and other faculty who are involved in graduate student mentoring and education.

B. Describe the specific expected student learning outcomes associated with the proposed program and include strategies for assessing the proposed program's learning outcomes. If the proposed program is a baccalaureate degree, include a hyperlink to the published Academic Learning Compact and the document itself as Appendix C.

Student Learning Outcomes:

- Students will acquire expertise in genomics, bioinformatics, biostatistics, precision medicine, computer science, and machine learning as assessed by earning a grade of A or B in the relevant coursework.

- Students will acquire hands-on expertise in generating and analyzing genomic data, including the use of biostatistics, bioinformatics, machine learning, and artificial intelligence techniques, as assessed by earning a grade of A or B in GMS 5905 Foundations for a Career in Genetics & Genomics.

C. If the proposed program is an AS-to-BS capstone, provide evidence that it adheres to the guidelines approved by the Articulation Coordinating Committee for such programs, as outlined in State Board of Education Rule 6A-10.024. Additionally, please list the prerequisites, if any, and identify the specific AS degrees that may transfer into the proposed program.

☒ Not applicable to this program because it is not an AS-to-BS Capstone.
D. Describe the curricular framework for the proposed program, including the following information where applicable:

- total numbers of semester credit hours for the degree
- number of credit hours for each course
- required courses, restricted electives, and unrestricted electives
- a sequenced course of study for all majors, concentrations, tracks, or areas of emphasis

The non-thesis M.S. degree consists of 33 letter-graded credits taken over 4 semesters – a sample curriculum is provided below:

Year 1 Fall:
- PCB 5065 – Advanced Genetics (4 credits)
- PHC 6052 – Introduction to Biostatistical Methods (3 credits)
- GMS 6221 – Ethics in Genetics (1 credit)
- GMS 6290 – G&G seminar (1 credit)

Year 1 Spring:
- GMS 6231 – Genomics and Bioinformatics (3 credits)
- PHC 6088 – Statistical Analysis of Genetic Data (3 credits)
- GMS 6290 – G&G seminar (1 credit)
- GMS 6014 – Applications of Bioinformatics to Genetics (1 credit)
- Elective – 1 of the following 1 credit courses:
  o GMS 6224 – Foundations in Precision Medicine: Medical Molecular Genetics
  o PHC 6134 – Foundations in Precision Medicine: Genomic Technologies
  o PHC 6598 – Foundations in Precision Medicine: Genetic Epidemiology

Year 1 Summer:
- GMS 5905 – Special topics in Biomedical Sciences/Foundations for a Career in Genetics & Genomics (we will create new course proposal and allow 6 credits/semester, max of 12 credits) (6 credits)

Year 2 Fall:
- GMS 5905 – Special topics in Biomedical Sciences/Foundations for a Career in Genetics & Genomics (we will create new course proposal and allow 6 credits/semester, max of 12 credits) (5 credits)
- GMS 6290 – G&G seminar (1 credit)
- Elective - 1 of the following 3 credit courses or related courses:
  o BSC 6451 – Computational Tools for Research in Biology
  o ANG 6532 – Molecular Genetics of Disease
  o STA 6703 – Statistical Machine Learning
  o BCH 6415 – Advanced Molecular and Cellular Biology

Major courses for the M.S. degree in Genetics & Genomics include:
- PCB 5065 – Advanced Genetics (4 credits)
- GMS 6014 – Applications of Bioinformatics to Genetics (1 credit)
- GMS 5905 – Special topics in Biomedical Sciences/Foundations for a Career in Genetics & Genomics (we will create a new course proposal and allow 6 credits/semester, max of
12 credits) (5-6 credits, taken twice)

Final term enrollment of GMS 6290 will serve as the capstone course and culminating experience for the M.S. degree and will include a final oral comprehensive examination.

Transfer of credits: Only graduate-level work (5000-7999) with a grade of B or better is eligible for transfer. A maximum of 9 transfer credits is allowed, and courses must duplicate the material covered in the M.S. in G&G curriculum. Credits must come from UF or institutions approved by UF. Credits transferred from other institutions are applied towards the degree requirements, but grades earned are not computed in the student’s grade point average. Acceptance of transfer of credit requires approval by the Coordinator of the Genetics & Genomics Graduate Program and the Dean of the Graduate School.

E. Provide a brief description for each course in the proposed curriculum.

Required Courses:

GMS 5905 Special topics in Biomedical Sciences/Foundations for a Career in Genetics & Genomics is a course designed for G&G M.S. students combining experiential learning, critical thinking, and professional development. The course combines a hands-on internship (in a biotechnology company, core laboratory, or faculty laboratory) with weekly discussions of research progress and professional development activities, including resume and cover letter writing, job searches, and mock interviews. NOTE: The graduate coordinator will be the instructor of record for this course and will be in charge of assigning a letter grade. The grade will reflect performance in weekly discussions as well as performance during the internship, which will be made in consultation with the internship supervisor. A new course proposal is forthcoming and will allow 6 credits/semester, max of 12 credits.

GMS 6014 Applications of Bioinformatics to Genetics is focused on the storage, retrieval, and analysis of information related to genetics.

GMS 6221 Ethics in Genetics - Ethical issues in human subjects research on genetics as well as the clinical ethical issues, are covered, as are informed consent and confidentiality in genetic testing. Other topics include ethical issues raised by whole genome and exome testing, prenatal genetic diagnosis and selective implantation of embryos, ownership and custody of stored biological samples in genetic testing, and legal and policy responses to genetic discrimination and health disparities.

GMS 6231 Genomics and Bioinformatics – GMS 6231 explores the principles of genomic characterization and bioinformatic analysis of eukaryotes, including an overview of analytical platforms, computational tools, experimental design, analysis methods, and databases used to study DNA sequence, gene expression, and protein levels.

GMS 6290 G&G seminar is a weekly seminar that is required for all G&G Ph.D. and M.S. students. GMS 6290 provides students an opportunity to orally present their research as well as learn about possible careers from professionals in the field of Genetics & Genomics and other
professional development. This course will be taken in the final semester as the capstone course for the M.S degree and will include a final oral comprehensive exam.

PCB 5065 Advanced Genetics - The objective of PCB 5065 is to strengthen the students’ comprehension of genetic concepts so that they can apply genetic analysis to their own research problems. PCB 5065 is designed to establish a strong foundation for advanced specialty courses in genetics and to complement advanced courses in molecular biology.

PHC 6052 Introduction to Biostatistical Methods – PHC 6052 is a sophisticated introduction to the concepts and methods of biostatistical data analysis. The topics include descriptive statistics, probability, standard probability distributions, sampling distributions, point and confidence interval estimation, hypothesis testing, power and sample size estimation, one and two-sample parametric and non-parametric methods for analyzing continuous or discrete data, and simple linear regression.

PHC 6088 - Statistical Analysis of Genetic Data covers statistical procedures for genetic studies, including basic population/quantitative genetic concepts, QTL mapping, linkage analysis for human diseases, genome-wide association studies, and the analysis of gene expression data for eQTL analysis. This course emphasizes the statistical theory behind methods for analyzing genetic data and its application in useful software tools.

Elective Courses:

ANG 6532 Molecular Genetics of Disease is the only course at UF that focuses exclusively on the genetics of human disease. The availability of whole genome sequences, development of high-throughput sequencing platforms, and public databases of genetic variants have greatly accelerated the discovery of genes involved in disease, leading to breakthroughs in diagnosis and treatment. Students in ANG 6532 will learn about the cause, inheritance, diagnosis, and treatment of specific simple and complex diseases.

BCH 6415 Advanced Molecular and Cell Biology – BCH 6415 is a course on current state-of-the-art aspects of molecular biology that focuses on the current scientific literature on nuclear structure and organization, transcription, RNA processing, protein synthesis, post-translational regulation, DNA replication, DNA repair, and DNA recombination, and experimental approaches to understanding these cellular processes.

BSC 6451 Computational Tools for Research in Biology introduces computational tools for research: Linux command line, Python scripting, and databases. BSC 6451 prepares students to conduct large-scale data analysis on high-performance computing resources.

GMS 6224 Foundations in Precision Medicine: Medical Molecular Genetics focuses on human genetics by providing foundational knowledge related to the human genome structure and organization, the molecular pathogenesis at the gene and chromosome level, and the application of genetic knowledge in modern medicine using real work examples.

PHC 6134 Foundations in Precision Medicine: Genomic Technologies focuses on current developments and emerging trends in genomic testing, clinical and research applications of emerging genomic tests, the role of computing and data science, and applications of bioinformatics in genomics.
PHC 6598 Foundations in Precision Medicine: Genetic Epidemiology utilizes specialized molecular and statistical methods to identify genetic factors that might be involved in disease etiology. This course provides exposure to fundamental concepts, terminologies, and principles in human population genetics and molecular biology relevant to understanding genetic epidemiologic approaches.

STA 6703 Statistical Machine Learning - Methodology and application of tools of statistical (machine) learning targeted at graduate students in engineering, applied statistics/biostatistics and quantitative life sciences. Statistical approaches to machine learning are emphasized. Application and the intuition behind statistical methods rather than formal derivations and full mathematical proofs of the procedures are prioritized.

F. For degree programs in medicine, nursing, and/or allied health sciences, please identify the courses that contain the competencies necessary to meet the requirements identified in Section 1004.08, Florida Statutes. For teacher preparation programs, identify the courses that contain the competencies necessary to meet the requirements outlined in Section 1004.04, Florida Statutes.

☒ Not applicable to this program because the program is not a medicine, nursing, allied health sciences, or teacher preparation program.

G. Describe any potential impact on related academic programs or departments, such as an increased need for general education or common prerequisite courses or increased need for required or elective courses outside of the proposed academic program. If the proposed program is a collaborative effort between multiple academic departments, colleges, or schools within the institution, provide letters of support or MOUs from each department, college, or school in Appendix D.

The M.S. degree in G&G is built upon the established curriculum for the Genetics & Genomics Ph.D. program and uses all existing courses. The projected enrollment for the M.S. degree is modest, so we do not anticipate significant impacts on other programs. The UFGI does not have primary faculty, i.e., all faculty in the UFGI have their tenure home in their departments, so all courses are based in other departments (see Table 1 – Appendix D for letters of support from home departments for the required courses).

H. Identify any established or planned educational sites where the program will be offered or administered. If the proposed program will only be offered or administered at a site(s) other than the main campus, provide a rationale.

The proposed program will be offered on the main UF campus in Gainesville, FL.

I. Describe the anticipated mode of delivery for the proposed program (e.g., face-to-face, distance learning, hybrid). If the mode(s) of delivery will require specialized services or additional financial support, please describe the projected costs below and discuss how they are reflected in Appendix A –
Table 3A or 3B.

The mode of delivery will be face-to-face. No specialized services or additional financial support is required.

J. Provide a narrative addressing the feasibility of delivering the proposed program through collaboration with other institutions, both public and private. Cite any specific queries made of other institutions with respect to shared courses, distance/distributed learning technologies, and joint-use facilities for research or internships.

The M.S. degree in G&G does not require any shared courses, shared/distributed learning technologies, or joint-use facilities with other institutions. Although we have not made any inquiries, we are open to the idea of collaborating with other institutions in the state that are interested in our M.S. degree program.

K. Describe any currently available sites for internship and/or practicum experiences. Describe any plans to seek additional sites in Years 1 through 5.

☐ Not applicable to this program because the program does not require internships or practicums.

Internships are a critical component of the M.S. degree in G&G. Internships are included as a component of GMS 5905 – Special topics in Biomedical Sciences/Foundations for a Career in Genetics & Genomics. A new course proposal will be created (6 credits/semester, max 12 credits, letter-graded; see full course description in Section IV.E.)

Internships will provide hands-on experience in the generation and analyzing genetic data, which will prepare the student for an immediate job as a Genetic counselor (SOC 29-9092), Biological Science Teacher, Postsecondary (SOC 25-1042), Biological Technician (SOC 19-4021), or Biological Scientist, All Other (SOC 19-1029). The internships will also provide needed research experience, and increase the student’s competitiveness for medical school or their ability to continue to the Ph.D. in Genetics & Genomics or a related field.

The internships will be hosted in biotechnology companies in the Gainesville area, including Cadre Bioscience, Pelagos Pharmaceutical, Inc, and Rapid Genomics, and in faculty laboratories at UF and UF’s core service laboratories at the Interdisciplinary Center for Biotechnology Research or (see letters of support in Table 1 – Appendix D). Additional laboratories at local biotechnology companies and at UF will be added between Years 1 and 5 – we do not anticipate any problems adding new internships since there are 200 faculty associated with the UFGI and dozens of biotechnology companies in the Gainesville area.

V. Program Quality Indicators - Reviews and Accreditation

A. List all accreditation agencies and learned societies that would be concerned with the proposed program. If the institution intends to seek specialized accreditation for the proposed program, as described in Board of Governors

309/489
Regulation 3.006, provide a timeline for seeking specialized accreditation. If specialized accreditation will not be sought, please provide an explanation.

No specialized accreditation is needed for an M.S. degree in G&G. There is no accreditation agency for genetics and genomics. M.S. graduates will be seeking jobs or applying to medical and doctoral programs, all of which will look for evidence of knowledge and hands-on experience in generating and analyzing genetic and genomic data, which will be provided by the M.S. program.

B. Identify all internal or external academic program reviews and/or accreditation visits for any degree programs related to the proposed program at the institution, including but not limited to programs within academic unit(s) associated with the proposed degree program. List all recommendations emanating from the reviews and summarize the institution’s progress in implementing those recommendations.

In 2016, there was a 10-year review performed for the BOG for the current G&G Ph.D. program (see Table 2 – Appendix I). One of the main recommendations from the review was to add an M.S. degree to the G&G program, which has resulted in the current M.S. degree proposal.

C. For all degree programs, discuss how employer-driven or industry-driven competencies were identified and incorporated into the curriculum. Additionally, indicate whether an industry or employer advisory council exists to provide input for curriculum development, student assessment, and academic-force alignment. If an advisory council is not already in place, describe any plans to develop one or other plans to ensure academic-workforce alignment.

A critical component of the M.S. degree in G&G is the required internships. The willingness of biotechnology companies and university laboratories to host M.S. G&G interns indicates they value the training that will be provided by the M.S. program. As part of the internships, we will solicit feedback from the host laboratories to inquire about additional expertise that would make our M.S. students more competitive, and we will develop 1-credit courses focused on specific genetic data platforms or computational expertise.

VI. Faculty Participation

A. Use Appendix A – Table 2 to identify existing and anticipated full-time faculty who will participate in the proposed program through Year 5, excluding visiting or adjunct faculty. Include the following information for each faculty member or position in Appendix A – Table 2:
   - the faculty code associated with the source of funding for the position
   - faculty member’s name
   - highest degree held
   - academic discipline or specialization
   - anticipated participation start date in the proposed program
• contract status (e.g., tenure, tenure-earning, or multi-year annual [MYA])
• contract length in months
• percent of annual effort that will support the proposed program (e.g., instruction, advising, supervising)

This information should be summarized below in narrative form. Additionally, please provide the curriculum vitae (CV) for each identified faculty member in Appendix E.

The faculty who will participate in the M.S. degree in G&G consist of the Graduate Coordinator, Program Specialist, and instructors of all required courses for the M.S. degree. On average, these faculty have been associated with the UFGI and the G&G Ph.D. program for more than 7 years, including three faculty who have been associated with both the institute and the Ph.D. program since their inception in 2006. These faculty are all committed to the success of the existing Ph.D. program and the proposed M.S. program.

B. Provide specific evidence demonstrating that the academic unit(s) associated with the proposed program have been productive in teaching, research, and service. Such evidence may include trends over time for average course load, FTE productivity, student HC in major or service courses, degrees granted, external funding attracted, and other qualitative indicators of excellence (e.g., thesis, dissertation, or research supervision).

The G&G Ph.D. program was established in 2006 and has graduated a total of 49 Ph.D. students with an average time to graduation of 5 years, 1 month. Two G&G Ph.D. students have been awarded prestigious NSF Graduate Research Fellowships, and two have been awarded highly competitive NIH F32/31 fellowships.

UFGI faculty, with 197 members, are very productive. In 2021-2022, UFGI faculty published 785 articles, filed 66 patents, and were awarded $73.6 M in research grants. See a list of publications by week at [http://ufgi.ufl.edu/] (http://ufgi.ufl.edu/).

VII. Budget

A. Use Appendix A – Table 3A or 3B to provide projected costs and associated funding sources for Year 1 and Year 5 of program operation. In narrative form, describe all projected costs and funding sources for the proposed program(s). Data for Year 1 and Year 5 should reflect snapshots in time rather than cumulative costs.

The curriculum for the M.S. degree in G&G uses existing courses that can accommodate the projected 5-20 M.S. students without any changes. Costs and funding sources in Appendix A – Table 3A reflect the percent effort by the course instructors and the program administrators listed in Table 2 and the fact that none of the instructors are supported by funds from the Genetics Institute.

B. Use Appendix A – Table 4 to show how existing Education & General (E&G)
funds will be reallocated to support the proposed program in Year 1. Describe each funding source identified in Appendix A – Table 4, and provide a justification below for the reallocation of resources. Describe the impact the reallocation of financial resources will have on existing programs, including any possible financial impact of a shift in faculty effort, reallocation of instructional resources, greater use of adjunct faculty and teaching assistants, and explain what steps will be taken to mitigate such impacts.

No funds will be reallocated for the M.S. degree in G&G. Existing courses can accommodate the projected 5-20 M.S. students without any changes or reallocation of funds.

C. If the institution intends to operate the program through continuing education, seek approval for market tuition rate, or establish a differentiated graduate-level tuition, as described in Board of Governors Regulation 8.002, provide a rationale and a timeline for seeking Board of Governors’ approval.

☒ Not applicable to this program because the program will not operate through continuing education, seek approval for market tuition rate, or establish a differentiated graduate-level tuition

D. Provide the expected resident and non-resident tuition rate for the proposed program for both resident and non-resident students. The tuition rates should be reported on a per credit hour basis, unless the institution has received approval for a different tuition structure. If the proposed program will operate as a continuing education program per Board of Governors Regulation 8.002, please describe how the tuition amount was calculated and how it is reflected in Appendix A – Table 3B.

Per UF regulation 3.0375, the following tuition will be charged: $448.73/credit hour for residents and $1173.45/credit hour for non-residents (https://www.fa.ufl.edu/directives/2022-23-academic-year-tuition-and-fees/)

E. Describe external resources, both financial and in-kind support, that are available to support the proposed program, and explain how this amount is reflected in Appendix A – Table 3A or 3B.

No external resources are needed for the M.S. degree in G&G because the curriculum uses existing courses that can accommodate the projected 5-20 M.S. students without any changes.

See Table 1 – Appendix D for letters of support from home departments for the required courses.

VIII. Non-Faculty Resources

A. Describe library resources currently available to implement and/or sustain the
proposed program through Year 5 below, including but not limited to the following:

- the total number of volumes and serials available in the discipline and related disciplines
- all major journals that are available to the university's students

The Library Director must sign the additional signatures page to indicate that they have review Sections VIII.A. and VIII.B.

There are a total of 33,462 genetics or genomics volumes available to UF students. The 82 available genetics and genomics journals are listed in Table 2 – Appendix J and can also be viewed at [https://guides.uflib.ufl.edu/c.php?g=720884&p=5137438](https://guides.uflib.ufl.edu/c.php?g=720884&p=5137438). The current library liaison for the UFGI, Dr. Aida Miro-Herrans, is a former graduate of the G&G Ph.D. program and has been very supportive of both the Ph.D. program and the proposed M.S. program.

B. Discuss any additional library resources that are needed to implement and/or sustain the program through Year 5. Describe how those costs are reflected in Appendix A – Table 3A or 3B.

☒ Not applicable to this program because no additional library resources are needed to implement or sustain the proposed program.

C. Describe any specialized equipment and space currently available to implement and/or sustain the proposed program through Year 5.

The UF Genetics Institute is housed in the Cancer and Genetics Research Complex, with state-of-the-art research and conference/teaching facilities. These facilities include one dedicated classroom, one large auditorium, 4 conference rooms, 27 faculty research labs, 21 shared research support labs plus equipment (e.g., cold rooms and autoclaves), and 27 faculty offices. All of these resources are available for the M.S. in G&G degree program.

D. Describe any additional specialized equipment or space that will be needed to implement and/or sustain the proposed program through Year 5. Include any projected Instruction and Research (I&R) costs of additional space in Appendix A – Table 3A or 3B. Costs for new construction should be provided in response to Section X.E. below.

☒ Not applicable to this program because no new I&R costs are needed to implement or sustain the program through Year 5

E. If a new capital expenditure for instructional or research space is required, indicate where this item appears on the university's fixed capital outlay priority list. Appendix A – Table 3A or 3B includes only I&R costs. If non-I&R costs, such as indirect costs affecting libraries and student services, are expected to increase as a result of the program, describe and estimate those expenses in narrative form below. It is expected that high enrollment programs, in particular, would necessitate increased costs in non-I&R
activities.
☒ Not applicable to this program because no new capital expenditures are needed to implement or sustain the program through Year 5.

F. Describe any additional special categories of resources needed to operate the proposed program through Year 5, such as access to proprietary research facilities, specialized services, or extended travel, and explain how those projected costs of special resources are reflected in Appendix A – Table 3A or 3B.
☒ Not applicable to this program because no additional special categories of resources are needed to implement or sustain the program through Year 5.

G. Describe fellowships, scholarships, and graduate assistantships to be allocated to the proposed program through Year 5, and explain how those are reflected in Appendix A – Table 3A or 3B.
☒ Not applicable to this program because no fellowships, scholarships, and/or graduate assistantships will be allocated to the proposed program through Year 5.
IX. Required Appendices

The appendices listed in tables 1 & 2 below are required for all proposed degree programs except where specifically noted. Institutions should check the appropriate box to indicate if a particular appendix is included to ensure all program-specific requirements are met. Institutions may provide additional appendices to supplement the information provided in the proposal and list them in Table 4 below.

Table 1. Required Appendices by Degree Level

<table>
<thead>
<tr>
<th>Appendix</th>
<th>Appendix Title</th>
<th>Supplemental Instructions</th>
<th>Included?</th>
<th>Required for Degree Program Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Tables 1-4</td>
<td></td>
<td>Yes/No</td>
<td>X</td>
</tr>
<tr>
<td>B</td>
<td>Consultant’s Report and Institutional Response</td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>C</td>
<td>Academic Learning Compacts</td>
<td>Include a copy of the approved or proposed Academic Learning Compacts for the program</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>D</td>
<td>Letters of Support or MOU from Other Academic Units</td>
<td>Required only for programs offered in collaboration with multiple academic units within the institution</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>E</td>
<td>Faculty Curriculum Vitae</td>
<td></td>
<td>Yes/No</td>
<td>X</td>
</tr>
<tr>
<td>F</td>
<td>Common Prerequisite Request Form</td>
<td>This form should also be emailed directly to the BOG Director of Articulation prior to submitting the program proposal to the Board office for review.</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>G</td>
<td>Request for Exemption to the 120 Credit Hour Requirement</td>
<td>Required only for baccalaureate degree programs seeking approval to exceed the 120 credit hour requirement</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>H</td>
<td>Request for Limited Access Status</td>
<td>Required only for baccalaureate degree programs seeking approval for limited access status</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>
### Table 2. Additional Appendices

<table>
<thead>
<tr>
<th>Appendix</th>
<th>Appendix Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>BOG Review Genetics&amp; Genomics Ph.D.</td>
<td>10-year review of Genetics &amp; Genomics Ph.D. program from 2016</td>
</tr>
<tr>
<td>J</td>
<td>Genetics &amp; Genomics journal list, Nov 2022</td>
<td></td>
</tr>
</tbody>
</table>
SUBJECT:  Degree Program Termination

BACKGROUND INFORMATION
The Board of Governors requires periodic reviews of all academic degree programs to determine whether they remain viable academic offerings. Degree programs that have been inactive or which are not planned to be reactivated must be closed.

The College of the Arts is requesting to terminate the Bachelor of Arts in Art Education (CIP code 13.1302). This program was replaced with a certificate that will fulfill the needs of the students wishing to teach art in the K-12 setting. The last student graduated in 2022. The Faculty Senate approved this request at its January 19, 2023, meeting.

PROPOSED COMMITTEE ACTION
The Committee on Academic, Faculty and Student Success, Public Relations and Strategic Communications is asked to approve the above degree program termination for recommendation to the Board of Trustees for approval on the Consent Agenda.

ADDITIONAL COMMITTEE CONSIDERATIONS
Board of Governors final approval will be required for termination of all doctoral and professional degree programs only.

Supporting Documentation Included: Academic Degree Program Termination Form

Submitted by: Joseph Glover, Provost and Senior Vice President for Academic Affairs

Approved by the University of Florida Board of Trustees, June 8, 2023

Morteza “Mori” Hosseini, Chair

Ben Sasse, President and Corporate Secretary
Board of Governors, State University System of Florida

ACADEMIC DEGREE PROGRAM TERMINATION FORM
In Accordance with BOG Regulation 8.012

INSTITUTION: University of Florida, School of Art + Art History

PROGRAM NAME: Art Education

DEGREE LEVEL(S): BA (B., M., Ph.D., Ed.D., etc.)

CIP CODE: 13.1302
(Classification of Instructional Programs)

ANTICIPATED TERMINATION TERM: Fall 2023
(First term when no new students will be accepted into the program)

ANTICIPATED PHASE-OUT TERM: Fall 2023
(First term when no student data will be reported for this program)

Please use this form for academic program termination. The form should be approved by the University Board of Trustees (UBOT) prior to submission to the Board of Governors, State University System of Florida for consideration. Please fill out this form completely for each program to be terminated in order for your request to be processed as quickly as possible. Attach additional pages as necessary to provide a complete response. In the case of baccalaureate or master’s degree programs, the UBOT may approve termination in accordance with BOG Regulation 8.012, and submit this form to the Board of Governors, Office of Academic and Student Affairs. For doctoral level programs, please submit this form with all appropriate signatures for Board of Governor’s consideration. The issues outlined below should be examined by the UBOT when approving program terminations.

1. Provide a narrative rationale for the request to terminate the program.

Enrollment numbers have been too low to assess since AY 2018-2019. A request was put in to suspend enrollment in October 2018 and was approved by the BOG in December 2018. Enrollment was suspended beginning fall 2019. Faculty created a certificate that will fulfill the needs of students who wish to teach. The certificate contains the necessary courses for teaching art in a K-12 setting and is suited for students enrolled in the BA or BFA in Art.
2. Indicate on which campus(es) the program is being offered and the extent to which the proposed termination has had or will have an impact on enrollment, enrollment planning, and/or the reallocation of resources.

This degree was offered at the main campus. There will be no impact on enrollment numbers as those had already started to decline. The one remaining student is expected to graduate in 2022. Resources used for the BA will be used for the certificate.

3. Explain how the university intends to accommodate any students or faculty who are currently active in the program scheduled to be terminated. State what steps have been taken to inform students and faculty of the intent to terminate the program.

There is only one student left in the program. This person is expected to graduate in Spring of 2022. Faculty who teach in this program also teach certificate courses as well as in the MA in Art Education degree program. Faculty are the ones to recommend termination of the degree after having temporarily suspended enrollment to see how the certificate would work.

4. Please provide the date when the teach-out plan was submitted to SACSCOC. Include a copy of the notification letter with your submission.

November 5, 2021

5. Provide data (and cite sources) on the gender and racial distribution of students in and faculty affiliated with the program. For faculty, also list the rank and tenure status of all affected individuals.

There is one student left in the program scheduled to graduate in Spring 2022. The university does not provide us with racial information where this information is personally identifiable.
6. Identify any potential negative impact of the proposed action on the current representation of females, minorities, faculty, and students in the program.

This is a single faculty program. She will continue to teach certificate courses and in the MA in Art Education programs. There are no student impacts.

7. If this is a baccalaureate program, please explain how and when the Florida College System (FCS) institutions have been notified of its termination so that students can be notified accordingly.

The Florida College System was notified of the degree termination via memo on November 5, 2021.
COMMITTEE ON ACADEMIC, FACULTY
AND STUDENT SUCCESS, PUBLIC RELATIONS AND STRATEGIC
COMMUNICATIONS
ACTION ITEM AFSSPRSC5
June 8, 2023

SUBJECT: Degree Program Changes

BACKGROUND INFORMATION
The College of Journalism and Communications is requesting to reduce the number of credit hours from 124 to 120 for the following degrees:

- B.S. in Media Production, Management and Technology Specializations (CIP 09.0701):
  - Digital Film and Television Production
  - Management and Strategy
  - Media and Society
- B.S. in Journalism and Sports Media (CIP 09.0401)
- B.S. in Advertising Specializations (CIP 09.0903):
  - Persuasive Messaging Agency
- B.S. in Public Relations (CIP 09.0902)

The Accrediting Council on Education in Journalism and Mass Communications rescinded the stipulation on the number of credit hours that students needed to take outside the college and the extra four hours is no longer necessary due to the students being allowed to take over 50 credit hours within the college. These changes were approved by the Curriculum Committee and then by the Faculty Senate at their May 4, 2023, meeting.

PROPOSED COMMITTEE ACTION
The Committee on Academic, Faculty and Student Success, Public Relations and Strategic Communications is asked to approve the above degree program changes for recommendation to the Board of Trustees for approval on the Consent Agenda.

ADDITIONAL COMMITTEE CONSIDERATIONS
Board of Governors approval is required.

Supporting Documentation Included: B.S. in Media Production, Management and Technology, B.S. in Journalism and Sports Media, B.S. in Advertising Specializations and B.S. in Public Relations request forms

Submitted by: Joseph Glover, Provost and Senior Vice President for Academic Affairs

Approved by the University of Florida Board of Trustees, June 8, 2023

Morteza “Mori” Hosseini, Chair

Ben Sasse, President and Corporate Secretary
REMOVAL OF EXCEPTION TO THE 120 CREDIT HOURS REQUIREMENT
FOR BACCALAUREATE PROGRAMS REQUEST FORM
In Accordance with BOG Regulation 8.014

INSTITUTION: University of Florida

PROGRAM NAME: Media Production, Management, and Technology

CIP CODE: 09.0701

☐ B.A.  ☑ B.S.
(Classification of Instructional Programs)

1. The exception to 120 credit hours was approved because (check all that apply):
   
   ☐ XXX accreditation requirements
   ☐ mandated criteria for professional licensing
   ☐ other (please specify): ________________________________

2. When do you propose to implement the removal of 120 credit hours exception? (please specify an effective term and year)

   Fall 2023

3. What is the justification for the reversion to 120 credit hours to degree?

   Our accreditation board, the Accrediting Council on Education in Journalism and Mass Communications (ACEJMC), used to stipulate that our majors take 90 credit hours outside the College. Because that only left 30 hours of course work within the College, we requested an additional 4 hours (for a total of 124) so that students can be better prepared for the industry. In the summer of 2013, ACEJMC lowered the number of credit hours our students need to take outside the College from 90 to 72. Then in the summer of 2021, ACEJMC rescinded that stipulation altogether, and now students can take only as many hours outside the college as state and university regulations require. That allows our students to take over 50 credit hours within the college, so the four extra credit hours are no longer necessary.

4. If the program was approved for the exception to 120 credit hours because of accreditation requirements and/or mandated criteria for professional
licensing requirements, please explain how these requirements have changed or will be addressed.

As stated above, our accrediting board, ACEJMC, required our students to take 90 credit hours outside the college. That was reduced to 72 credit hours in the summer of 2013, and now that requirement has been rescinded altogether. This change allows our students to take over 50 hours within the college; hence, 120 credit hours for the degree suffice.

5. If the removal of the 120 credit hours exception is requested for only one track within a program, please specify the name of the track.

N/A
Required Signatures

David Astoff  
Requestor/Initiator  
5/10/2023 | 11:52 AM EDT  
Date

Joseph Glover  
Signature of Provost  
5/11/2023 | 3:35 PM EDT  
Date
INSTITUTION: University of Florida

PROGRAM NAME: Journalism/Journalism Sports and Media

CIP CODE: 09.0401 □ B.A. □ B.S.
(Classification of Instructional Programs)

1. The exception to 120 credit hours was approved because (check all that apply):
   □ XXX accreditation requirements
   □ mandated criteria for professional licensing
   □ other (please specify): ________________________________

2. When do you propose to implement the removal of 120 credit hours exception? (please specify an effective term and year)
   Fall 2023

3. What is the justification for the reversion to 120 credit hours to degree?
   Our accreditation board, the Accrediting Council on Education in Journalism and Mass Communications (ACEJMC), used to stipulate that our majors take 90 credit hours outside the College. Because that only left 30 hours of course work within the College, we requested an additional 4 hours (for a total of 124) so that students can be better prepared for the industry. In the summer of 2013, ACEJMC lowered the number of credit hours our students need to take outside the College from 90 to 72. Then in the summer of 2021, ACEJMC rescinded that stipulation altogether, and now students can take only as many hours outside the college as state and university regulations require. That allows our students to take over 50 credit hours within the college, so the four extra credit hours are no longer necessary.

4. If the program was approved for the exception to 120 credit hours because of accreditation requirements and/or mandated criteria for professional
licensing requirements, please explain how these requirements have changed or will be addressed.

As stated above, our accrediting board, ACEJMC, required our students to take 90 credit hours outside the college. That was reduced to 72 credit hours in the summer of 2013, and now that requirement has been rescinded altogether. This change allows our students to take over 50 hours within the college; hence, 120 credit hours for the degree suffice.

5. If the removal of the 120 credit hours exception is requested for only one track within a program, please specify the name of the track.

N/A: both tracks
Required Signatures

Ted Spiker
Requestor/Initiator

5/10/2023 | 11:40 AM EDT

Joseph Glover
Signature of Provost

5/11/2023 | 3:35 PM EDT
REMOVAL OF EXCEPTION TO THE 120 CREDIT HOURS REQUIREMENT
FOR BACCALAUREATE PROGRAMS REQUEST FORM
In Accordance with BOG Regulation 8.014

INSTITUTION: University of Florida

PROGRAM NAME: Advertising

CIP CODE: 09.0903 ___________ ☐ B.A. X☐ B.S. (Classification of Instructional Programs)

1. The exception to 120 credit hours was approved because (check all that apply):
   ☐ XXX accreditation requirements
   ☐ mandated criteria for professional licensing
   ☐ other (please specify): ________________________________

2. When do you propose to implement the removal of 120 credit hours exception? (please specify an effective term and year)
   Fall 2023

3. What is the justification for the reversion to 120 credit hours to degree?

   Our accreditation board, the Accrediting Council on Education in Journalism and Mass Communications (ACEJMC), used to stipulate that our majors take 90 credit hours outside the College. Because that only left 30 hours of course work within the College, we requested an additional 4 hours (for a total of 124) so that students can be better prepared for the industry. In the summer of 2013, ACEJMC lowered the number of credit hours our students need to take outside the College from 90 to 72. Then in the summer of 2021, ACEJMC rescinded that stipulation altogether, and now students can take only as many hours outside the college as state and university regulations require. That allows our students to take over 50 credit hours within the college, so the four extra credit hours are no longer necessary.

4. If the program was approved for the exception to 120 credit hours because of accreditation requirements and/or mandated criteria for professional
licensing requirements, please explain how these requirements have changed or will be addressed.

As stated above, our accrediting board, ACEJMC, required our students to take 90 credit hours outside the college. That was reduced to 72 credit hours in the summer of 2013, and now that requirement has been rescinded altogether. This change allows our students to take over 50 hours within the college; hence, 120 credit hours for the degree suffice.

5. If the removal of the 120 credit hours exception is requested for only one track within a program, please specify the name of the track.

N/A
Required Signatures

2023/2/10

Requestor/Initiator

Date

Signature of Provost

5/11/2023 | 3:35 PM EDT

Date
Board of Governors, State University System of Florida

REMOVAL OF EXCEPTION TO THE 120 CREDIT HOURS REQUIREMENT
FOR BACCALAUREATE PROGRAMS REQUEST FORM
In Accordance with BOG Regulation 8.014

INSTITUTION: University of Florida

PROGRAM NAME: Public Relations

CIP CODE: 09.0902 ☐ B.A. X☐ B.S.
(Classification of Instructional Programs)

1. The exception to 120 credit hours was approved because (check all that apply):

☐ XXX accreditation requirements
☐ mandated criteria for professional licensing
☐ other (please specify): ________________________________

2. When do you propose to implement the removal of 120 credit hours exception? (please specify an effective term and year)

Fall 2023

3. What is the justification for the reversion to 120 credit hours to degree?

Our accreditation board, the Accrediting Council on Education in Journalism and Mass Communications (ACEJMC), used to stipulate that our majors take 90 credit hours outside the College. Because that only left 30 hours of course work within the College, we requested an additional 4 hours (for a total of 124) so that students can be better prepared for the industry. In the summer of 2013, ACEJMC lowered the number of credit hours our students need to take outside the College from 90 to 72. Then in the summer of 2021, ACEJMC rescinded that stipulation altogether, and now students can take only as many hours outside the college as state and university regulations require. That allows our students to take over 50 credit hours within the college, so the four extra credit hours are no longer necessary.

4. If the program was approved for the exception to 120 credit hours because of accreditation requirements and/or mandated criteria for professional
licensing requirements, please explain how these requirements have changed or will be addressed.

As stated above, our accrediting board, ACEJMC, required our students to take 90 credit hours outside the college. That was reduced to 72 credit hours in the summer of 2013, and now that requirement has been rescinded altogether. This change allows our students to take over 50 hours within the college; hence, 120 credit hours for the degree suffice.

5. If the removal of the 120 credit hours exception is requested for only one track within a program, please specify the name of the track.

N/A
Required Signatures

12/20/22

Requestor/Initiator

Date

Joseph Glover
Signature of Provost

5/11/2023 | 3:35 PM EDT

Date
Committee Members:
Marsha D. Powers (Chair), David L. Brandon, Christopher T. Corr, Morteza “Mori” Hosseini, Daniel T. O’Keefe, Rahul Patel, Fred S. Ridley, Patrick O. Zalupski

1.0 Call to Order and Welcome .............................................................. Marsha D. Powers, Chair

2.0 Verification of Quorum ........................................................................ Vice President Liaison

3.0 Review and Approval of Minutes ......................................................... Marsha D. Powers, Chair
   March 16, 2023
   May 9, 2023

4.0 Action Items.......................................................................................... Marsha D. Powers, Chair
   FSPPM1 Preliminary Operating Budget FY24........................................... Chris Cowen, Senior Vice President and Chief Financial Officer
   FSPPM2 Estimated Direct Support Organization Use of University Resources for FY24...Chris Cowen
   FSPPM3 Enterprise Resource Planning Vendor Software Selection.................... Chris Cowen
   FSPPM4 Proposal for Bridge Funding............................................................ Chris Cowen

5.0 Discussion Items................................................................................... Marsha D. Powers, Chair
   5.1 CFO Report......................................................................................... Chris Cowen
   5.2 Quarterly Financials............................................................................ Chris Cowen
   5.3 UFICO Update .................................................................................... William Reeser, Chief Investment Officer of UFICO

6.0 New Business.......................................................................................... Marsha D. Powers, Chair

7.0 Adjourn................................................................................................. Marsha D. Powers, Chair
1.0 Call to Order and Welcome
Committee Chair Marsha D. Powers welcomed everyone in attendance and called the meeting to order at 11:09 a.m.

2.0 Verification of Quorum
Senior Vice President Chris Cowen verified a quorum with all members present.
3.0 Review and Approval of Minutes
The Committee Chair asked for a motion to approve the minutes of the June 1, 2022 and August 10, 2022 workshops, November 14, 2022 and December 8, 2022 committee meetings, and the February 13, 2023 committee pre-meeting, which was made by Trustee Phalin, and a second, which was made by Trustee O’Keefe. The Committee Chair asked for further discussion, and then asked for all in favor of the motion and any opposed and the motion was approved unanimously.

4.0 Discussion Items

4.1 CFO Report
The CFO Report included a brief overview of the following discussion items but was not discussed as a separate item.

4.2 Quarterly Financials
SVP Cowen provided an update on the University’s financials for the first half of the year. He noted that the University continues to outperform budget and numbers remain strong despite inflation. He explained that the many variances in budget to actual is due to how numbers are presented along with changes to actual investment returns and the way the University budgets research. SVP Cowen mentioned that the variance is not indicative of financial performance and that modifications to the budget for next year will better reflect actuals and be a more useful tool to track budget to actual performance. He briefly reviewed the balance sheet and explained that UF Health, both Gainesville and Jacksonville, is experiencing revenue and expense pressure, resulting in lower than anticipated net income.

SVP Cowen also provided some brief updates on current and upcoming bonds, student housing rates (more to come at the December meeting), the energy plant project (costs significantly above estimates and we are analyzing options to reduce the financial impact while meeting our needs), and the Enterprise Resources Planning project implementation. There were no questions.

4.3 UFICO Update
Chief Investment Officer of UFICO, William Reeser, provided a quarterly update on the University’s Operating and Endowment portfolios. He reviewed the Operating portfolio’s current allocation and structure stating that the primary goal is to remain as liquid as possible. He also provided an update on the operating portfolio’s investment performance, stating that despite market volatility, it ended the year ahead of benchmarks.

CIO Reeser then reviewed the endowment portfolio’s allocation and structure, explaining that it is modestly underweight. He then noted that the portfolio is outperforming the investable alternative benchmark but trailing the CPI+5% target in the 1, 3, 5, and 10-year periods, and provided a brief financial recap. Chair Hosseini questioned the inflow vs. outflow of returns to support the University, resulting in $19M decrease in the endowment balance, and CIO Reeser confirmed.

CIO Reeser also presented 2022 peer review data and explained that it is used to identify long-term trends and gain insight. He stated that, based on his observations, there seems to be a high
correlation of 1-year returns to the percentage of portfolio allocated to private investments and noted that the University remains at or above median in all categories. CIO Reeser also provided Top 10 public university data, noting the University’s return rank in comparison to others. Board Chair Hosseini questioned the difference between UF and UNC’s return rank, to which CIO Reeser explained it is primarily due to their allocation of funds to private investments and venture capital.

Finally, there was a discussion about the SVB bank collapse, and what impact that might have on the University’s investments going forward. CIO Reeser explained that we expect minimal financial impact and noted that the collapse will primarily impact operations and managers. He stated that UFICO has worked to identify exposure and noted a concern of fraud. Board Chair Hosseini asked about communication to the UFICO Board, to which CIO Reeser explained that communication is constant and rapid. SVP Cowen also mentioned that his team remains in contact with UFICO to assess the potential impact to the University, affiliates and DSOs. There were no additional questions.

4.4 DSO & Affiliate Presentation
Dr. Pradeep Kadambi, President and CEO of University of Florida Jacksonville Physicians, Inc. (UFJPI), began his presentation by providing an overview and background of the Practice Plan. He explained what UFJPI is and the services they provide, and discussed the entity’s governing boards, locations, and overall structure. Dr. Kadambi also provided an overview of the entity’s revenue sources and expenses for FY2022, and reviewed UFJPI’s financial performance over the past 5 years. Concluding his presentation, Dr. Kadambi provided information on UFJPI’s strengths and current challenges, along with how both UFJPI and UF Health Jacksonville are proactively addressing challenges. Board Chair Hosseini mentioned the University’s presence in Flagler, and asked Dr. Kadambi to provide information for the September retreat on how UF Health Jacksonville can align with the University’s brand of being one of the best. SVP Nelson agreed to work with Dr. Kadambi and return in September with a plan and noted the difference of non-profit and for-profit health business models. President Sasse agreed that more understanding of how the cross-subsidies work to make more intentional decisions is helpful. SVP Nelson noted that Jacksonville is a safety net hospital, which has a different business model than for profit hospitals. Chairman Hosseini agreed and noted that many have taxing districts which may be a conversation to have with the city of Jacksonville and Duval County. Finally, there was a short discussion about geo-expansion, specifically UFJPI exposure in Georgia and whether any limitations on care and expansion in the state exist.

6.0 New Business
There was no new business to come before the committee.

7.0 Adjourn
There being no further discussion, Committee Chair Powers adjourned the meeting at 12:14 p.m.
1.0 Call to Order and Welcome
Committee Chair Marsha D. Powers welcomed everyone in attendance and called the meeting to order at 10:30 a.m.

2.0 Roll Call
Senior Vice President Chris Cowen conducted a roll call of all Committee and Board members present.

3.0 Review Draft Agenda for June Meeting
The following items were addressed by the Committee:

3.1 Review Draft Minutes
- March 16, 2023
3.2 Review Action Items

- **Preliminary Operating Budget FY24**
  SVP Cowen explained that his office is working with President’s Office to understand objectives and develop a preliminary operating budget for next fiscal year. He stated that it will be presented at the June meeting for review and approval and noted that it is preliminary and required by the Board of Governors (BOG).

- **Estimated DSO Use of University Resources for FY24**
  SVP Cowen gave a brief overview of the action item stating that it is presented for approval each June as required by BOG. He mentioned that it accounts for both the use of dollars and space by Direct Support Organizations. He explained that the University of Florida Foundation accounts for the biggest use of dollars and University of Florida Athletic Association accounts for the biggest use of space.

- **ERP Vendor Software Selection**
  SVP Cowen provided an overview of the action item stating that he and Vice President and Chief Information Officer Elias Eldayrie have engaged in conversations for a new Enterprise Resources Planning software vendor. They were able to negotiate costs down and receive the lowest fees to date from the software vendor, Workday. He explained that this request to the Board will only be to request support and to engage with the software vendor (Workday) with a potential implementation in July 2024. VP Eldayrie noted that the negotiated contract is favorable and one of the best in comparison to other Universities. The cost will be approximately $160M. Committee Chair Powers and Board Chair Hosseini both noted the efforts of VP Eldayrie and SVP Cowen and reminded the committee of the many needed changes the new ERP will bring. Board Chair Hosseini also explained that there is no funding from the State for this, but he is hopeful to receive funding in the coming year.

  SVP Cowen shared a brief update regarding the UFICO Investment Statement. He stated UFICO will speak to it during their quarterly update, but there will be no action item.

- **Line of Credit**
  SVP Cowen provided a high-level overview of the action item explaining the need for a line of credit to provide flexibility to fund capital projects by using it to bridge philanthropy gifts. He stated that the University received a line of credit proposal from J.P. Morgan for up to $100M on a future gift. Board Chair Hosseini mentioned his support of the request and noted that this has not been done at another university. He also stated that the request will go to the Board of Governors in June for approval if needed. Committee Chair Powers also mentioned her support for the line of credit and suggested it would support the required internal discipline on capital projects and help ensure they stay on track. President Sasse added his thanks to SVP Cowen for all of his work at UF.

3.3 Review Discussion Items

- **CFO Report**
  SVP Cowen indicated that the CFO Report is available for the committee and Board to review. There are no significant changes to note.
• **Quarterly Financials**
  SVP Cowen stated that his office is currently assembling information from the third quarter which will be provided and reviewed at the June meeting. He explained that the University is still in line and costs are increasing as expected.

  SVP Cowen also gave a brief bond rating agency update, stating that the University received top ratings. He indicated that he would provide additional information at June meeting along with noted strengths and suggested opportunities.

• **UFICO Update**
  SVP Cowen explained this regular update will be presented and discussed at the June Board of Trustees meeting by Bill Reeser, Chief Executive Officer and Chief Investment Officer of UFICO, and Brian Mawdsley, Deputy Chief Investment Officer, from UFICO.

  Prior to ending the discussion, SVP Cowen stated that he will provide a couple of presentations at the June BOT Retreat. Committee Chair Powers asked the committee members to reach out if they had any additional recommendations.

4.0 **New Business**
There was no new business to come before the committee.

5.0 **Adjourn**
There being no further discussion, Committee Chair Powers adjourned the meeting at 10:52 a.m.
COMMITTEE ON FINANCE, STRATEGIC PLANNING AND PERFORMANCE METRICS
ACTION ITEM FSPPM1
June 8, 2023

SUBJECT: Preliminary Operating Budget FY24

BACKGROUND INFORMATION
The Board of Trustees is requested to approve the University’s Preliminary Budget of Revenues and Expenses for the Fiscal Year ending June 30, 2024.

PROPOSED COMMITTEE ACTION
The Committee on Finance, Strategic Planning and Performance Metrics is asked to approve the University’s Preliminary Budget of Revenues and Expenses for the Fiscal Year ended June 30, 2024 for recommendation to the Board of Trustees for approval on the Consent Agenda and for submission by the University of Florida to the BOG for final approval.

ADDITIONAL COMMITTEE CONSIDERATIONS
Board of Governors final approval is required for the 2023-2024 preliminary budget of revenues and expenses.

Supporting Documentation Included: Preliminary Operating Budget FY 23-24

Submitted by: Christopher Cowen, Senior Vice President and Chief Financial Officer

Approved by the University of Florida Board of Trustees, June 8, 2023

Morteza “Mori” Hosseini, Chair                                      Ben Sasse, President and Corporate Secretary
## Preliminary 2023-2024 Operating Budget - Enterprise Summary

### FY 2022-2023 Operating Budget

<table>
<thead>
<tr>
<th>University of Florida</th>
<th>Athletic Association</th>
<th>Faculty Practice</th>
<th>UF Foundation</th>
<th>Shands Gainesville</th>
<th>Shands Jacksonville</th>
<th>GatorCare</th>
<th>Other DSOs</th>
<th>Total</th>
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| Transfers In/(Out)    |                      |                  |               |                   |                     |          |           |       |
| Salaries & Benefits   | 2,569,789            | 70,330           | 130,749       | 28,354            | 1,124,660           | 445,692  | 1,532     | 8,903   |
| Other Operating Expenses | 833,664           | 86,485           | 309,337       | 24,344            | 1,597,207           | 473,874  | 254,709   | 59,022  |
| **Total Expenses**    | 3,403,453            | 156,815          | 440,086       | 52,698            | 2,721,867           | 919,566  | 256,241   | 8,018,651 |

| Net Change            | (8,183)              | (7,686)          | (17,988)      | 23,798            | 62,373              | 749      | 2,033     | (69,650) |

### FY 2023-2024 Preliminary Operating Budget

<table>
<thead>
<tr>
<th>University of Florida</th>
<th>Athletic Association</th>
<th>Faculty Practice</th>
<th>UF Foundation</th>
<th>Shands Gainesville</th>
<th>Shands Jacksonville</th>
<th>GatorCare</th>
<th>Other DSOs</th>
<th>Total</th>
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<tbody>
<tr>
<td><strong>Revenues</strong></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td>279,912</td>
<td>8,715,786</td>
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| Expenses               |                      |                  |               |                   |                     |          |           |       |
| Salaries & Benefits    | 2,882,290            | 73,892           | 130,749       | 24,677            | 1,198,600           | 445,692  | 1,344     | 15,343 |
| Other Operating Expenses | 1,019,619           | 93,351           | 298,489       | 25,556            | 1,564,300           | 473,874  | 278,568   | 4,772,587|
| **Total Expenses**     | 3,901,909            | 167,234          | 429,238       | 50,233            | 2,762,900           | 919,566  | 279,912   | 8,580,004 |

| Net Change            | 57,467               | 137              | (30,636)      | 9,010             | 103,651             | 749      | 0         | (4,595) |

342/489
SUBJECT: Estimated Direct Support Organization Use of University Resources for FY24

BACKGROUND INFORMATION
The Auditor General in their Operational Audit Report No. 2019-193 for the FY2016 recommended that the BOT consider a number of actions to improve its understanding and oversights of the university DSOs and their use of University resources. In response, UF staff working with DSOs and BOT leadership have accumulated estimated summary information regarding the DSO use of University personnel, facilities and systems for the coming FY 2024.

PROPOSED COMMITTEE ACTION
The Committee on Finance, Strategic Planning and Performance Metrics is asked to approve the Estimated Summary of the University Support for UF DSOs for the Fiscal Year ended June 30, 2024 for recommendation to the Board of Trustees for approval on the Consent Agenda.

ADDITIONAL COMMITTEE CONSIDERATIONS
None.

Supporting Documentation: Estimated DSO Use of University Resources for FY24 report

Submitted by: Olga Weider, Assistant Vice President and University Controller

Approved by the University of Florida Board of Trustees, June 8, 2023

Morteza “Mori” Hosseini, Chair

Ben Sasse, President and Corporate Secretary
University Support for UF Direct Support Organizations
Estimates For the Fiscal Year Ended June 30, 2024

<table>
<thead>
<tr>
<th>University Resources used by the DSO:</th>
<th>UF Foundation</th>
<th>University Athletic Association</th>
<th>Cattle Enhancement Board</th>
<th>Citrus Research &amp; Development Foundation</th>
<th>UF Development Corporation</th>
<th>Florida Foundation Seed Producers</th>
<th>Florida 4-H Club Foundation</th>
<th>Gator Boosters</th>
<th>GatorCare Health Management Corporation</th>
<th>UF Leadership &amp; Education Foundation</th>
<th>UF Historic St. Augustine</th>
<th>UF Investment Corporation</th>
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<td>$-</td>
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<td>$-</td>
<td>$5,217,000</td>
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<td>$-</td>
<td>$583,000</td>
<td>$292,000</td>
<td>$-</td>
<td>$5,217,000</td>
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<td>DSO Revenues</td>
<td>DSO Revenues</td>
<td>DSO Revenues</td>
<td>DSO Revenues</td>
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*Per FS 1004.28 it is not permitted for any university DSO to use State Funds for travel expenses.

Other University Services:

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<th>Other University Services:</th>
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<td>Y</td>
<td>N</td>
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<td>AP Processing</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
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<td>Payroll Processing</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
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<td>Pcard Issuance</td>
<td>N</td>
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<tr>
<td>Purchase Order Issuance</td>
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<td>Travel Processing</td>
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</tr>
<tr>
<td>Transaction Processing by UF Shared Services</td>
<td>N</td>
<td>N</td>
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<td>N</td>
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<tr>
<td>Support for Financial Statement Preparation</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>N</td>
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</tbody>
</table>
The Auditor General in their Operational Audit Report No. 2019-193 for the FY2016 recommended that the BOT consider a number of actions to improve its understanding and oversights of the university DSOs and their use of University resources.

In response, UF staff working with DSOs and BOT leadership have accumulated estimated summary information regarding the DSO use of University personnel, facilities and systems for the coming FY 2024.

The attached report provides estimates for the fiscal year that begins July 1, 2023 and ends June 30, 2024. All 13 currently active DSOs are represented in this report and summarized in the report is as follows:

- University FTE’s – number of full-time positions paid through the UF payroll system
- University personnel salary costs – estimated costs of salary and benefits for budgeted positions
- Salary amount reimbursed to the University – amount of personnel costs the DSO is expected to reimburse the University
- Main source of reimbursement to the University – revenue source the DSO will use to reimburse
- Travel expenses using State funds – payment not allowed by State statute
- Administrative overhead/other – amount of administrative overhead or other expenses paid by the DSO
- University facilities – number of University owned buildings occupied by DSO
- University facilities – square feet of University space utilized

The table at the bottom of the report (orange/blue blocks) represents other University services directly supporting the DSO activities such as use of PeopleSoft Accounting System.
SUBJECT: Enterprise Resource Planning Vendor Software Selection

BACKGROUND INFORMATION
Following an on-campus presentation by Workday to the technical review committee, the university entered conversations with Workday to negotiate the terms of a contract as software provider. We were able to negotiate a cost reduction from over $82 million to $67 million over 15 years. To move this initiative forward in a timely and effective manner, UF continues our planning and readiness efforts to begin a 30-month Phase 1 implementation. We have determined that it is most beneficial for us to continue organizing internally over the next year and targeting to select an implementation partner and begin the process in July 2024. Sources of funding for these needs of approximately $160 million over 3 years will need to be identified.

PROPOSED COMMITTEE ACTION
The Committee on Finance, Strategic Planning and Performance Metrics is asked to approve the Workday contract for Enterprise Resource Planning for recommendation to the Board of Trustees for approval on the Consent Agenda.

ADDITIONAL COMMITTEE CONSIDERATIONS
None.

Supporting Documentation Included: UF Enterprise Resource Planning System Procurement Update report

Submitted by: Christopher Cowen, Senior Vice President and Chief Financial Officer

Approved by the University of Florida Board of Trustees, June 8, 2023

Morteza “Mori” Hosseini, Chair
Ben Sasse, President and Corporate Secretary
UF Enterprise Resource Planning (ERP) System – Procurement Update

Prepared for the UF Board of Trustees Committee: Finance, Strategic Planning, and Performance Metrics

ERP Vendor Software Selection

UF received Workday’s negotiated offer on April 26, 2023.

- The contract is a 15-year term at a total cost of $66,975,000. This represents a $15,646,184 reduction from the initial offer in March 2023.

- The contract amount will be paid on the following schedule over 15 years to provide a three-year runway at a significantly reduced annual rate:
  - Year 1: $100,000
  - Year 2: $500,000
  - Year 3: $3,000,000
  - Years 4 – 15: $5,281,250

- The average price per employee per year is $186, which represents the lowest publicly known negotiated price. The total full-service equivalent negotiated is 23,970, which includes 4% growth at no additional cost.
  - University of Florida: $186 per employee per year
  - University of Wisconsin System: $205 per employee per year
  - University of Maryland: $242 per employee per year
  - Arizona State University: $320 per employee per year
  - University Central Florida: $322 per employee per year

- A 5-year renewal is available at Consumer Price Index (CPI) + 2%, not to exceed a 4% increase in any year.

- Price holds for additional modules are available should UF decide to implement later:
  - 5-year price hold for additional finance and HCM modules
  - 6-year price hold for student, not to exceed $65 per student FTE

Next Steps

- The negotiated Workday contract information will be presented for UF BOT approval during the June 8 meeting.

- This negotiated contract assumes Workday and UF execute the final agreement no later than June 23, 2023. UF will leverage the UCF contract terms as a starting point.

- The UF General Counsel Office continues to negotiate the legal terms with Workday for a contract closing date no later than June 23, 2023.
SUBJECT: Proposal for Bridge Funding

BACKGROUND INFORMATION

When the cost of a capital project exceeds the state funding available for such project, donor funds are often used to support the project, though donor pledges of gifts typically involve multi-year payment schedules that may not align with desired project construction timelines. When the University cannot proceed with a capital project until it receives all funds from multiple sources, construction may be delayed and become more expensive, and the University may see a reduced return on investment on the project.

Historically, the University has used internal reserves as bridge financing to support its donor-funded capital projects until such time as the donor funds have been received. This strategy was effective when the University’s projects were of limited scale and had short construction timelines, but continued reliance on internal reserves is unsustainable and inefficient (for example, University reserves that are used for internal loans cannot be simultaneously deployed in the University’s investment portfolio). University staff believes that utilizing finite internal reserves for bridge funding to support increasingly lengthy and expensive capital projects will result in suboptimal resource allocation and hinder the University’s strategic objectives.

University staff believes it is in the University’s best interest to join many peer institutions in using commercial lending sources to provide bridge financing based on donor pledges for donor-funded capital projects as doing so would: (1) eliminate the need wait for receipt of funds from multiple sources for a single project; (2) enable projects to proceed more expeditiously upon receipt of donor pledges (rather than payments) for a project; and (3) allow the University to use more of its reserves for other, more productive purposes. Proposals were requested from several lenders to determine the viability of the University pursuing external bridge financing, though only JPMorgan Chase Bank, N.A (“JPMorgan”) responded.

JPMorgan provided the attached commitment letter (“Commitment Letter”) summarizing the terms on which JPMorgan is willing to establish a framework that would provide up to five tranches of bridge financing to support future University capital projects. The essential terms of the Commitment Letter can be summarized as follows:
• JPMorgan will commit to purchasing up to five promissory notes ("Notes") from the University in an aggregate amount not exceeding $30,000,000 (but with an accordion structure that may be expanded to permit up to $100,000,000 at JPMorgan’s discretion).

• The University will have the right to request that JPMorgan purchase the Notes, and provide the corresponding loans to the University, for up to three years following execution of a definitive agreement between the University and JPMorgan.

• Each Note will be a revolving note with a repayment term of five years, and each could be drawn down in $100,000 increments ($1,000,000 minimum) during its term.

• Notes will be taxable, interest rates will be fixed and based on the applicable SOFR Swap Index at the time of issuance plus an indicative spread of 90-110 bps.

• The Notes will be secured by donor pledges specific to the capital project funded by the bridge financing associated with a particular Note.

• JPMorgan will assess an Unused Facility Fee, likely in the range of 15-25 bps.

• Implementation of the Commitment Letter through a definitive agreement will require mutual agreement between the University and JPMorgan.

PROPOSED COMMITTEE ACTION
The Committee on Finance, Strategic Planning and Performance Metrics is asked to approve, for recommendation to the Board of Trustees for its approval, the Commitment Letter and authorization for the University President or his designee(s) to negotiate, finalize, and execute a definitive agreement between the University and JPMorgan implementing the terms and conditions of the Commitment Letter.

ADDITIONAL COMMITTEE CONSIDERATIONS
This transaction is exempt from Board of Governors’ approval under the Debt Management Guidelines but will be presented to the Board of Governors as an information item. Additionally, unless the financing(s) associated with any project(s) has received legislative pre-approval under sec. 1010.62, Florida Statutes, legislative approval of such financing(s) must be obtained in accordance with the statute.

Supporting Documentation Included: JPMorgan Commitment Letter

Submitted by: Christopher Cowen, Senior Vice President and Chief Financial Officer

Approved by the University of Florida Board of Trustees, June 8, 2023

Morteza “Mori” Hosseini, Chair

Ben Sasse, President and Corporate Secretary
In providing this letter of interest JPMorgan is not acting as a fiduciary or agent of the recipient, nor as an advisor to the recipient, including a “Municipal Advisor” as defined in Section 15B of the Securities and Exchange Act of 1934, as amended, and in related rules (17 CFR Pars 200, 240, 249) and the contemplated transaction would be within the Bank exemption in such rules. This letter and any ensuing discussions regarding the potential transaction does not and will not constitute any recommendation or advice to the recipient irrespective of whether JPMorgan or any of its affiliate has provided other services, including advisory services, to the recipient. JPMorgan and its affiliates have financial and other interests that differ from those of the recipient and the recipient should consult with its own financial, legal, accounting, tax and other advisors to the extent it deems appropriate.

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### J.P.Morgan

**Delivery Via E-Mail**

May 31, 2023

Chris Cowen  
Chief Financial Officer  
University of Florida

Dear Chris,

On behalf of JPMorgan Chase Bank, N.A (together with its affiliates, “JPMorgan”), we are pleased to indicate JPMorgan’s interest in providing credit facilities in an aggregate amount up to $30,000,000 in favor of the University of Florida within the parameters set forth below:

<table>
<thead>
<tr>
<th><strong>Borrowers:</strong></th>
<th>The University of Florida Board of Trustees and University of Florida Foundation as co-Borrowers OR The University of Florida Board of Trustees as Borrower and University of Florida Foundation as Guarantor.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Commitment:</strong></th>
<th>Note Purchase Agreement (the “Purchase Agreement”) between the Borrower and JPMorgan pursuant to which the Bank will purchase up to five (5) Individual Notes (the “Note” or “Notes”) issued by the Borrower in an aggregate amount not exceeding $30,000,000 (the “Commitment”). The Purchase Agreement will include a $70,000,000 accordion feature with Notes under the accordion to be advanced at JPMorgan’s sole discretion. While held by the Bank, the Notes shall not be rated by any rating agency, shall not be DTC eligible, shall not be assigned a CUSIP number, and shall not be marketed pursuant to any official statement.</th>
</tr>
</thead>
</table>

<table>
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<tr>
<th><strong>Purpose:</strong></th>
<th>To provide financing for various capital improvement projects across the University campus.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Term:</strong></th>
<th>Drawdown Period: The Borrower will have up to three (3) years from the closing date (the “Commitment Expiry Date”) to request purchases of Notes by the Bank. The Purchase Agreement will expire on the Commitment Expiry Date, whereupon the borrowing(s) will be governed by the Note(s) and related loan document(s). Each Note will have a repayment term of 5 years from the date of issuance of the Note.</th>
</tr>
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</table>

<table>
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<tr>
<th><strong>Note Drawdown:</strong></th>
<th>Notes may be drawn down in multiple advances, after providing three (3) business days’ notice to the Bank, in minimum denominations of $1,000,000 and integral multiples of $100,000 in excess thereof. Amounts</th>
</tr>
</thead>
</table>
drawn and subsequently repaid under a Note may be borrowed again prior to the termination date of the respective Note.

Each draw down request will be accompanied by a report of Sources and Uses and a fundraising report for the applicable project.

<table>
<thead>
<tr>
<th>Note Optional Redemption:</th>
<th>Fixed Rate Notes: No optional redemption. Make-whole prepayment penalty applies to any redemption prior to the maturity date of the Note(s).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interest Rate:</td>
<td>See Appendix. Interest on the notes shall be Taxable.</td>
</tr>
<tr>
<td>Fees:</td>
<td>See Appendix.</td>
</tr>
<tr>
<td>Security:</td>
<td>Revenue pledge consisting of a pledge of fundraising revenues received by the University of Florida Foundation for each project to be financed with each Note.</td>
</tr>
<tr>
<td>Covenants:</td>
<td>The University will maintain a minimum investment grade public debt rating. It will be an Event of Default if the University’s public rating shall fall below investment grade.</td>
</tr>
<tr>
<td>Documentation / Legal Fees:</td>
<td>JPMorgan will engage outside legal counsel to draft the appropriate credit agreement(s) and other legal documentation associated with the Purchase Agreement and each Note. All legal fees will be at the Borrower’s expense.</td>
</tr>
</tbody>
</table>

The Purchase Agreement and each Note will include, but not be limited to, the terms and conditions outlined herein as well as JPMorgan’s standard provisions with respect to representations and warranties, covenants, events of default, remedies, indemnification (gross negligence standard), waiver of jury trial, right of set-off, OFAC and anti-corruption, waiver of sovereign immunity, most favored nations, and full protection against increased costs and changes in capital adequacy requirements (including, without limitation, in connection with the Dodd Frank Act and Basel III, regardless of the date enacted).

Please note that these parameters are provided solely for purposes of facilitating further discussion and are indicative only, based upon current market conditions and our current knowledge of the University of Florida’s financial condition and credit standing, and are subject to due diligence and credit approval. Nothing expressed or implied in this letter constitutes an offer or commitment by JPMorgan or any of its affiliates to lend or provide any financial services either on the terms outlined above or on any other terms. Such obligations would arise only under separate, mutually acceptable written agreements between us.

JPMorgan has been a market leader in public finance credit for over 35 years and our deep familiarity with this sector is viewed as a strong benefit by our higher education clients. We believe our experience in providing financing solutions and our extensive experience in deal execution foster efficient and cost effective transactions for our customers.

In providing this letter of interest JPMorgan is not acting as a fiduciary or agent of the recipient, nor as an advisor to the recipient, including a “Municipal Advisor” as defined in Section 15B of the Securities and Exchange Act of 1934, as amended, and in related rules (17 CFR Pars 200, 240, 249) and the contemplated transaction would be within the Bank exemption in such rules. This letter and any ensuing discussions regarding the potential transaction does not and will not constitute any recommendation or advice to the recipient irrespective of whether JPMorgan or any of its affiliate has provided other services, including advisory services, to the recipient. JPMorgan and its affiliates have financial and other interests that differ from those of the recipient and the recipient should consult with its own financial, legal, accounting, tax and other advisors to the extent it deems appropriate.
We look forward to further discussing terms and conditions of a potential facility in greater detail, and, subject to your interest in pursuing such a facility, the commencement of due diligence. Our contact information is provided below:

Thank you for your consideration.

Sincerely,

Mark Meyer  
Executive Director  
450 S Orange Ave, Floor 10  
Orlando, FL, 32801-3383  
(407) 236-5385  
mark.w.meyer@jpmorgan.com

Jackie Young  
Executive Director, Credit Risk  
450 S Orange Ave, Floor 10  
Orlando, FL, 32801-3383  
(407) 236-5382  
jackie.young@jpmorgan.com

Tim Bittel  
Executive Director  
383 Madison Ave, Floor 3  
New York, NY 10179  
(212) 270-2169  
timothy.j.bittel@jpmorgan.com

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APPENDIX

INTEREST RATES AND FEES

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upfront Fee:</td>
<td>None.</td>
</tr>
<tr>
<td>Interest Rate:</td>
<td>The Notes will bear interest at a taxable fixed rate.</td>
</tr>
<tr>
<td>Fixed Rate:</td>
<td>The Fixed Rate Notes (the “Fixed Rate Notes”) would accrue interest at a fixed rate determined based on the applicable SOFR Swap Index + an indicative spread of 90-110 bps. The Fixed Rate for each Note will be determined at the time of draw.</td>
</tr>
<tr>
<td>Facility Fees:</td>
<td>Unused Facility Fee will be payable quarterly in arrears on the unused component of the Facility.</td>
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<tr>
<td></td>
<td>- Indicative Unused Facility Fee of 15-25 bps.</td>
</tr>
</tbody>
</table>

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QUARTERLY FINANCIALS

Financial Statements are presented under the “One UF” model, representing University of Florida Enterprise, including the University of Florida, its Direct Support Organizations and Affiliates. This presentation provides a comprehensive financial profile, which facilitates governance and strategic management.

The information presented on the following pages has three objectives:

- Enhance transparency by utilizing the university's Enterprise Resource Planning (ERP) system to facilitate decision-making and governance
- Be repeatable and readily calculated with generally accepted standards and based on established higher education financial indicators
- Provides ability to compare and benchmark results with industry standards to provide information on institutional health and/or the performance of peer institutions
Table of Contents

- Q3 at a Glance
  Page 1
- Enterprise and UF Financial Dashboards
  Page 2 - 9
- Quarterly Executive Summaries
  Page 10 - 27
- Appendices
  Page 28
- Contact Information
Q3 at a Glance

UF Contracts & Grants
+10%
+$58M*

Advancement
Contributions
+25%
+$60M

Digital GATOROne ID's introduced to allow for more convenient, faster transactions.

Patient Service Revenue
+$87M

UF ranked #2 among public universities for economic return by Degree Choices

*Compared to Q3 of FY22
Year-over-year decrease of $455M for cash and investments and endowments as a result of losses experienced across the enterprise during the last quarter of FY22 and first two quarters of FY23 due to unfavorable market conditions.

*Amounts expressed in billions*
Includes the key projects shown below to advance the capital improvement plan:

- Capital Assets increased due to the integration of Herbert Wertheim UF Scripps Institute for Biomedical Innovation & Technology in April 2022 and construction in progress including the Honors Residential College and the Data and Information Technology Building.

*Amounts expressed in billions*
UF Enterprise Revenues & Expenses

- Revenues have increased 3% ($172M) driven by increases Contracts & Grants, Patient Services Revenues, and Contributions.
- Expenses increased 10% ($517M) with increases in salaries and wages related to staffing increases, talent recruitment, and retention, particularly in healthcare providers, as well as higher costs for services and supplies driven by inflation.

*Amounts expressed in billions*
UF Enterprise Revenue Sources

Q3 FY23

Total $6.35B

Investment Income $84,755
Financial Aid $212,749
Other $221,592
Philanthropy $299,621
Sales of Goods & Services $316,400
Tuition and Fees $415,903
Research $634,569
State Appropriations $663,412
Patient Services $3,505,243

*Amounts expressed in thousands
UF Cash & Investments

Q3 FY23
(as of 03/31/2023)

Construction
11%
$303.9M

Donor Restricted
12%
$337.4M

Custodial Funds
10%
$283.3M

State Appropriation and Tuition
16%
$444.6M

Business Activities/Auxiliary
16%
$442.8M

Research Restricted
24%
$651.7M

Student Financial Aid
2%
$61M

Other
9%
$257.8M

Total $2.78B

362/489
UF Revenue Sources

Q3 FY23

- Tuition, Fees and Student Aid: 20%
- State Appropriations: 22%
- Transfers from Component Units: 31%
- Research: 21%
- Other: 6%

Total $3.07B
UF Expenses
Q3 FY23

Total $2.98B

- Employee Compensation 69%
- Services and Supplies 17%
- Utilities/Facility 7%
- Scholarships and Fellowships 6%
- Other 1%

Strategic Commitment to Our Employees
UF Mission

Teaching, Research and Service

UF Functional Expenses

- Research: 22%
- Instruction: 19%
- Public Service: 25%
- Academic & Institutional Support: 10%
- Facilities: 8%
- Scholarships & Student Services: 8%
- Other: 8%

FY23
QUARTERLY EXECUTIVE SUMMARIES
UNIVERSITY OF FLORIDA

Compared to prior Q3 fiscal year-to-date, revenues in FY23 increased by 3% ($92M) and expenses increased by 11% ($286M). Net Income decreased by 68% ($193M) year-over-year, mainly driven by investment losses, final tranche of one-time Higher Education Emergency Relief Funding (HEERF), and increases in employee compensation and operating expenses.

Revenues

The revenue increase year-over-year was driven by gains in Contract and Grants and Transfers from Component Units, offset by reductions in Investment Income and Other Revenue.

Contracts and Grants revenues were up 10% ($58M) from additional federal agency funding, in particular the Department of Health and Human Services with the integration of the Herbert Wertheim UF Scripps Institute for Biomedical Innovation and Technology and from the Department of Defense.

Transfers from Component Units increased 10% ($87M) largely driven by transfers from Clinical Practice Plans due to increased patient billing and transfers from the University of Florida Foundation related to the New World Reading Initiative.

There was a decrease of 164% ($27M) in Investment Income compared to prior year due to continued market volatility. A reduction in Other Revenue of 62% ($73M) is the result of decreased distributions of Higher Education Emergency Relief Funding (HEERF) which was a part of one-time funding.
Expenses

Notable items for the University’s year-to-date expenses include increases in Employee Compensation, Services and Supplies, and Utilities due to rising labor costs and inflationary pressures.

An increase of 9% ($166.8M) year-over-year to Employee Compensation was driven by the hiring of regional physicians and clinical faculty for UF Health, the additional employees that joined the University in April 2022 with the Herbert Wertheim UF Scripps Institute for Biomedical Innovation and Technology integration, and more graduate and OPS students.

Scholarships and Fellowships decreased by 7% ($14.5M) year-over-year mainly driven by the decrease in distributions of one-time student financial aid funded by the Higher Education Emergency Relief Fund (HEERF).

Services and supplies increased by 21% (86.1M) due to increased sponsored research activities ($62M), increased spending against Component Unit Transfers ($7M Foundation and remaining in Clinical Practice Plans). Utilities expenses were up 50% ($20M) due to timing of delayed billings from vendors in FY22 ($8M), the additional utilities associated with the Herbert Wertheim UF Scripps Institute for Biomedical Innovation and Technology ($3M), and rising utility rates in electric and steam.

Other Non-Operating Expenses increased 102% ($20.7M) from a combination of increased repair and maintenance capital projects and furniture and equipment for capital projects.
Buildings and Equipment

The Buildings and Equipment balance significantly increased since the end of the same quarter last year with the integration of the Herbert Wertheim UF Scripps Institute for Biomedical Innovation and Technology in April 2022 ($156M in capital assets) and the ongoing construction projects on campus, notably the Honors Residential College, and the Data Science and Information Technology Building.
THE UNIVERSITY ATHLETIC ASSOCIATION, INC.
The University Athletic Association (UAA) has made a full recovery from the pandemic impact that was experienced over the past two years. Revenues and expenses are operating as expected and in alignment with the full-year budget. The UAA experienced a decrease in Employee Compensation and Benefits compared to the same time last year, primarily related to football operations. Home game event attendance has returned to those similar to the 2019 season. College athletics continues to experience change at a relatively rapid pace. This includes changes around permissible benefits to student athletes and NIL, along with legislative and judicial rulings on a national level.

UF FOUNDATION, INC.
Items of note through the quarter ended March 31, 2023 were:

- Pledges receivable were up $96M, particularly due to a major $50M pledge secured in June 2022 and several large pledges secured during FY23. Additionally, contributions exceeded budgeted amounts by $131M, primarily due to large endowed and private equity contributions received during FY23 as well as these large FY23 pledges.
- Preliminary endowment returns through the end of Q3 FY23 were 3.1%, and the endowment value was $2.3B.
UF Health has seen significant improvements in its financial performance from FY23 Q2 to Q3. Revenue is up 7% ($129M) year-over-year, with Patient Services revenue now pacing ahead of last year and up to budget. Additionally, investment losses experienced during the first two quarters of FY23 have turned to gains, opposite of the losses experienced at the same time in Q3 of FY22. The revenue gains have been offset by increased expenses of 10% ($185M) as a result of increases in both Employee Compensation and Benefits and Supplies and Services. Overall Net Income is flat to budget.

The financial results through FY23 Q3 have been significantly impacted by the following factors:

**Revenues**
- Investment gains of $46.5M in FY23 compared to investment losses of $59.3M in FY22 due to changes in global financial markets.
- Federal Stimulus funds of $20.9M received in FY22, not recurring in FY23.
- A $42.8M increase in patient revenue, which is due a $75.1M increase in revenue from patient care activities driven by increased patient volume and inflationary increases in payor payment rates. This is partially offset by a $32.3M decrease in state supplemental Medicaid payments due to certain one-time payments in FY22, not recurring in FY23.

**Expenses**
- A $95.4M increase in salaries and benefits due to increased use of contract labor and increased staff wages due to market adjustments.
- A $42.6M increase in employee benefits expense due to increases in the defined benefit pension costs.
- An increase of $27.8M in supply costs from inflationary pricing increases from suppliers.
Trends identified through Q2 FY23 continued in Q3, with acute patient volume below budget, while observations cases are higher. Because observation case reimbursement is lower than acute inpatient case reimbursement, net patient revenue is unfavorably impacted. Surgical, birth and outpatient volumes are also below budget and impacting net patient revenue.

Q3 FY22 included the entire first year of the Medicaid Direct Payment Program (DPP) based upon the City of Jacksonville passing a resolution establishing a Local Provider Participation Fund on 9/28/2021, resulting in $32.1M being recognized in September 2022, while in FY23 DPP has been budgeted to be recorded each month, resulting in slightly lower revenues.

Q3 FY23 employee compensation and benefits costs have improved, although they remain higher than Q3 FY22 from the impact of costly contract labor utilization and nursing incentives, which have recently been phased out. Nurse recruiting efforts are progressing and have favorably impacted these cost reductions. Comparing to budget, Q3 FY23 employee compensation and benefits costs are favorable related to the mix of contract labor to permanent employees resulting in lower 401k and FICA costs.

In total, supplies, services and other expenses for Q3 FY23 are fairly consistent with Q3 FY22, but are lower than budget as a result of lower spending on medical supplies with lower patient volumes.
The Florida Clinical Practice Association (FCPA) bills and collects clinical professional fees to support the educational, research, and service programs of the University of Florida College of Medicine.

**FLORIDA CLINICAL PRACTICE ASSOCIATION, INC.**

The Florida Clinical Practice Association, Inc. (FCPA) generated increases in revenue during Q3 FY23 compared to Q3 FY22 that were offset by increases in both Transfers to the University and Supplies and Services driven by higher labor expense. While there is a variance comparing to Q3 of FY22, overall financial performance is in line with budget.

Total revenue is up 0.5% ($3.5M) to budget and 6.5% ($40.7M) when compared to Q3 of the prior year. Patient Service Revenue increased 7% ($40.2M) compared to prior year. The direct patient service revenue setbacks experienced through the second quarter, resulting from the hurricane clinic closures and patient cancellations, started to turn around during the third quarter.

Transfers to the University increased 2% ($10.3M) to budget through Q3 FY23 as the labor market challenges experienced during the first half of the year continue to persist. Significant pressure in the labor market, especially for healthcare providers, has required higher pay levels to maintain a stable and reliable workforce. Services and supplies had a 12.7% ($13.5M) favorable variance to budget, but represented a 17.9% ($23M) increase to Q3 FY22.

Cash and Investments at 03/31/23 decreased $30.7M compared to 03/31/22, due in part to an $8.8M debt reduction, return of $6M of unused Provider Relief Funds (a reduction to accrued liabilities) and a $3.6M repayment of a Medicaid advance. In addition, funding the increasing labor costs and lower than expected Hospital support has also contributed to the decrease in cash.
Quarterly Executive Summaries

UF JACKSONVILLE PHYSICIANS, INC.

The University of Florida Jacksonville Physicians operating results for Q3 FY23 reflect changes to assets and liabilities as a result of the implementation of GASB 87 with the recording of right to use assets and deferred inflows for revenue leases as well as lease liabilities. They were also impacted by the timing of receipts from affiliates and the opening of the UF Health East.

There was a 3.7% ($9.5M) increase in revenues year-over-year due to increases in HMO Fee-for-Service businesses as well as accrual recognition of Low Income Pool (LIP) revenues that were previously recognized only when received. Expenses were impacted by increased Transfers to UF and an increased cost of Supplies and Services related to market adjustments and contract salary increases.

GATORCARE HEALTH MANAGEMENT CORPORATION

GatorCare continued to see an increase in claims expense for both medical and pharmacy compared to prior year, partially due to the COVID-19 cases as well as the admin fees for COVID-19 testing and vaccines.

Although COVID cases declined from prior year, there was a continued increase in claims when comparing to the same period prior year due to the addition of UF Health Central Florida (CFH) employees to the GatorCare insurance plans. This addition of CFH to GatorCare has also increased the employer contribution for that period.

GatorCare also experienced a change in the pharmacy rebates related to the 340B drug pricing program claims, which has negatively impacted the rebate credits that were received compared to prior year.
Quarterly Executive Summaries

UF INVESTMENT CORPORATION

During Q3 of FY23, UFICO did not have any notable major events to report. Operations were normal and aligned with the budget as expected.

Management fees are billed on a quarterly basis based on budget for the year. The average assets under management as of the end of the third quarter are approximately $4.5B.

For Q3 of FY23, the UFICO expense ratio (total expenses divided by average assets under management) was 14.0 basis points.

UF RESEARCH FOUNDATION, INC.

UF Research Foundation had another strong quarter.

UFRF's revenues maintained a positive performance, pacing ahead of variance and slightly below prior year. Gatorade royalties increased compared to last year and related department allocations increased, even after Brammer royalties were discontinued. Other operating costs were slightly under budget and in line with prior year.
FLORIDA 4-H CLUB FOUNDATION, INC.

Assets were lower than in the prior year due to investments fluctuating from market volatility, as well as liquidating some investments to cover expenses during FY23.

Revenue was lower than budgeted as registration participation to 4-H Camps and other 4-H Programs was less than anticipated.

Expenses were higher than budget due to fixed costs required to conduct programs regardless of participation numbers, as well as rising costs for food and supplies. It has been slightly slower than anticipated in the FY23 Budget, however, Florida 4-H is seeing a healthy comeback post-pandemic, as is evidenced by increased revenue in FY23 over the two years prior.

FLORIDA FOUNDATION SEED PRODUCERS, INC.

Operating revenues are slightly lower than Q3 FY23 budget due to timing of reports and payments from royalty licenses.

Operating expenses are higher than Q3 FY23 budget largely due to increase in royalty revenues in FY22 which increases the amounts distributed to UF/FAES and faculty inventors in FY23.
CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.

CRDF experienced the usual variance in expenses due to slower than expected spending on approved research agreement budgets, which in turn creates a reduction of revenue with the source of most revenue generated by the institution billings of reimbursable research expenses.

Once the $5M project with the Citrus Research and Field Trial (CRAFT) DSO within the Florida Department of Agriculture and Consumer Services (FDACS) for large scale field trials completes their Technical Working Group’s project approvals, expected in the fourth quarter, there should be a reduction in the variance.

UF LEADERSHIP AND EDUCATION FOUNDATION, INC.

University of Florida Leadership and Education Foundation, Inc (UFLEF) Q1 FY23 revenues increased 29% ($120K) year-over-year as a result of a combination of factors. First, two sponsor payments from a conference held in Q4 FY22 were received in Q1 FY23. Additionally, UFLEF received four new sponsorships for an unbudgeted conference and booked a last-minute group that generated $11K in registration revenues. Finally, another group whose activity has been increasing created an additional $30K.
**Quarterly Executive Summaries**

**UF CATTLE ENHANCEMENT BOARD, INC.**

During Q3 of FY23, the Cattle Enhancement Board disbursed payments to external auditors for finalization of the 2022 audit report, financial statement, and Form 990 tax form preparations (originally budgeted to be disbursed in Q4). Majority of remaining cash on hand is to be disbursed to subgrantees for interim invoice submissions in the following quarter. Prior FY variances are aligned with more timely receipt of state appropriations during FY23.

**FACULTY ASSOCIATES, INC.**

Professional fees were lower through Q3 FY23 compared to Q3 FY22 and were under budget by over $1.28M. Clinical revenues were impacted by hurricane closure days in FY23 and by the slowing economy/inflation as patients delay dental care. Additionally, ongoing vacancies in faculty positions resulted in reduced clinical revenues. Investment income is higher and Medicaid Supplemental funds were slightly higher than budgeted and as compared to the previous year. Faculty Associates, Inc. also received $2.57M in federal Provider Relief Funds in August, 2022 from a Phase 3 CARES reconsideration application, contributing to the higher total revenues through Q3 FY23 compared to prior year.

Expenses were up slightly from Transfers to UF and payment to the Medicaid Supplemental Intergovernmental Transfer (IGT). Overall Net Income through Q3 FY23 is $5.95M, ahead of budget and prior year.

The cash position has increased compared to last year. The college has preserved these funds to support its share of funding for a new addition and renovations to the existing dental sciences building. Although there is slight increase in accounts receivable, the majority is less than 90 days old.
UF COLLEGE OF PHARMACY FACULTY PRACTICE ASSOCIATION, INC.

The College of Pharmacy Faculty Practice Association is expecting a decrease of approximately 55-60% of revenue and consequently expenditures (Transfers to UF). This is primarily due to the loss of one of the customers serviced by the Center of Quality Medication (CQM) and an approximate 35% cut in contractual rates to the remaining customer. This resulted in the necessary cut of staffing to accommodate the business decline to operate in a lean capacity while trying to develop on business prospects.

The College of Pharmacy Faculty Practice Association also lost the ability to service one of the resident filled pharmacy sites post Q1, which accounts for 2% of total budgeted revenue.

FLORIDA VETERINARY MEDICINE FACULTY ASSOCIATION, INC.

The third quarter of FY23 showed continued revenue growth with the UF PETS clinic remaining busy. Additionally, the new location at the World Equestrian Center continues to see a large increase in equine patients, in particular during Q3 from the winter show series occurring January through March. The revenue performance is expected to continue through Q4 as the spring months are historically the busiest.

Planned renovations have been placed on hold and the related funds transferred to construction will be returned. This will reduce the need for transfers to assist hospital operations through the end of the fiscal year and, as a result, transfers should remain relatively flat through year end and assets should increase.
Quarterly Executive Summaries

Other DSO and Affiliates

**FLORIDA HEALTH PROFESSIONS ASSOCIATION, INC.**

Florida Health Professional Association's (FHPA) Q3 FY23 Net Income is similar to prior year and in line with budget. In FY22, FHPA discovered ineligible claims to Medicare and Tricare during FY15-FY21 totaling $511K. The ineligible claims were refunded to the providers resulting in a significant one time increase in expenses.

During Q2 of FY23, FHPA transferred an additional $544K above budget to the University in support of new college initiatives.

**UF COLLEGE OF NURSING FACULTY PRACTICE ASSOCIATION, INC.**

Professional fees revenues are up slightly with the hiring of additional providers, enabling capacity for increased patient visits. Expenses increased compared to prior year due to timing of transfers, with the variance expected to decrease after Q4.

Overall results are flat to budget.
Quarterly Executive Summaries
Other DSO and Affiliates

FACULTY CLINIC, INC.

Faculty Clinic revenue is generated from lease payments for clinical and office space from UF Jacksonville Physicians and Shands Jacksonville, and also consists of operating and maintenance (O&M) funding granted by the State Legislature for the space occupied by University of Florida functions. Because of the nature of the business, operating revenue and expenses do not fluctuate significantly from quarter to quarter.

Year-to-date rental revenue has remained stable as a result of operations returning to normal post-pandemic. Faculty Clinic implemented GASB 87, recording a lease receivable in the amount of $9.1M and a Deferred Inflow of Revenues of $8.9M. This is significantly different from prior year performance since the standard is newly implemented. Furthermore, expenses increased 18% year-over-year driven by repairs and maintenance and utilities, including additional costs for chiller and elevator maintenance.

GATOR BOOSTERS, INC.

During the first three quarters of FY23 football, men's basketball, and baseball contributions were normal relative to having full capacity seating. Major giving contributions consist of donors paying as scheduled or pre-paying their scheduled gift agreements. Other Revenues include contributions made from donors to support program expenses for various sports.

The contributions received have been transferred to the University Athletic Association to support the athletic programs and provide scholarships to student athletes.
UF DEVELOPMENT CORPORATION

The new roof that started construction in FY22 has been completed. In addition, the implementation of GASB 87 had a significant impact on the audited statements with an $8M receivable being booked for all future rents with the offset being a deferred inflow.

Revenue is flat to prior year with base rents and parking fees from individuals returning to the office and occupying the building remaining constant post-pandemic.

Services and Supplies were higher primarily due to the property manager’s annual salary being reimbursed to the University in Q1 and higher legal fees. Other expenses increased due to higher electricity and gas expense as more individuals occupy office space along with more maintenance.

Finally, the $5M note with Shands Hospital was forgiven in September 2022 in exchange for the long-term use of an asset.

UF HISTORIC ST. AUGUSTINE, INC.

Rents from property and parking increased compared to the same period last year as several new leases began at the start of July at higher rates. The documentary film performed very well in Q3 with an increase to $48K in revenue. The Colonial Quarter continued to perform well with revenue of $210K, compared to $170K prior year. Other Revenue was significantly higher as $200K was received from FEMA.

Operating expenses decreased overall with lower expenditures through Q3 on building preservation. Overall, the increased revenues and lower expenses have generated a net income of $636K.
Revenues increased as of Q3 FY23 due to positive investment returns compared to prior year.

A 5-year average was used to estimate FY23 loss adjustment expenses. It is difficult to compare the loss expense and loss adjustment expenses to previous quarters because of the nature of how claims are presented and paid. Claims that are brought to court incur additional legal expenses and the current variance to prior year is due to reserves being increased during the fiscal year.
Appendices: Quarterly Financial Reports

UF Enterprise
- University of Florida
- The University Athletic Association, Inc.
- UF Foundation, Inc.
- Shands Teaching Hospital and Clinics, Inc.
- Shands Jacksonville Healthcare, Inc.
- Florida Clinical Practice Association, Inc.
- UF Jacksonville Physicians, Inc.
- GatorCare Health Management Corporation
- UF Investment Corporation
- UF Research Foundation, Inc.

Agricultural DSOs
- Florida 4-H Club Foundation, Inc.
- Florida Foundation Seed Producers, Inc.
- Citrus Research and Development Foundation, Inc.
- UF Leadership and Education Foundation, Inc.
- UF Cattle Enhancement Board, Inc.

Other DSO and Affiliates
- Faculty Associates, Inc.
- UF College of Pharmacy Faculty Practice Association, Inc.
- Florida Veterinary Medicine Faculty Association, Inc.
- Florida Health Professions Association, Inc.
- UF College of Nursing Faculty Practice Association, Inc.
- Faculty Clinic, Inc.
- Gator Boosters, Inc.
- UF Development Corporation
- UF Historic St. Augustine, Inc.
- UF Self-Insurance Program and Healthcare Education Insurance Company
### University of Florida Enterprise

**Quarterly Financial Report**

For the nine months ending 3/31/2023  *(amounts expressed in thousands)*

#### Assets and Liabilities

![Graph showing assets and liabilities]

#### Revenues and Expenses

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tuition and Fees</td>
<td>$415,903</td>
<td>$378,133</td>
<td>$37,771</td>
<td>$397,532</td>
<td>$18,371</td>
</tr>
<tr>
<td>State Appropriations</td>
<td>663,412</td>
<td>701,262</td>
<td>(37,850)</td>
<td>656,585</td>
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<td>Contracts and Grants</td>
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<td>379,451</td>
<td>255,118</td>
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<td>Federal and State Financial Aid</td>
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<td>207,699</td>
<td>5,050</td>
<td>209,456</td>
<td>3,293</td>
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<tr>
<td>Patient Service Revenue</td>
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<td>3,499,347</td>
<td>5,896</td>
<td>3,417,914</td>
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<td>Sales of Goods &amp; Services</td>
<td>316,400</td>
<td>300,261</td>
<td>16,139</td>
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<td>19,754</td>
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<td>Contributions</td>
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<td>165,256</td>
<td>134,365</td>
<td>239,852</td>
<td>59,769</td>
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<td>Investment Income</td>
<td>84,755</td>
<td>125,516</td>
<td>(40,761)</td>
<td>173,684</td>
<td>(88,929)</td>
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<td>Other Revenues</td>
<td>221,592</td>
<td>142,526</td>
<td>79,066</td>
<td>215,125</td>
<td>6,466</td>
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<tr>
<td><strong>Total Revenues</strong></td>
<td>$6,354,244</td>
<td>$5,899,450</td>
<td>$454,794</td>
<td>$6,182,133</td>
<td>$172,111</td>
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<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Employee Compensation and Benefits</td>
<td>$3,459,616</td>
<td>$3,278,076</td>
<td>$181,540</td>
<td>$3,156,707</td>
<td>$302,909</td>
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<tr>
<td>Services &amp; Supplies</td>
<td>1,956,232</td>
<td>1,843,986</td>
<td>112,246</td>
<td>1,768,258</td>
<td>187,974</td>
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<tr>
<td>Other Expenses</td>
<td>722,743</td>
<td>672,705</td>
<td>50,039</td>
<td>696,267</td>
<td>26,476</td>
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<tr>
<td><strong>Total Expenses</strong></td>
<td>$6,138,591</td>
<td>$5,794,767</td>
<td>$343,825</td>
<td>$5,621,233</td>
<td>$517,359</td>
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<tr>
<td><strong>Net Income</strong></td>
<td>$215,652</td>
<td>$104,683</td>
<td>$110,969</td>
<td>$560,901</td>
<td>$(345,248)</td>
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</tbody>
</table>
### Assets and Liabilities

<table>
<thead>
<tr>
<th>Category</th>
<th>Q3 FY2023 Actuals</th>
<th>Q3 FY2022 Actuals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash and Investments</td>
<td>$2,782,490</td>
<td>$2,801,685</td>
</tr>
<tr>
<td>Bonds and Loans</td>
<td>$368,325</td>
<td>$380,810</td>
</tr>
<tr>
<td>Buildings and Equipment</td>
<td>$2,525,380</td>
<td>$2,111,476</td>
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</table>

### Revenues and Expenses

<table>
<thead>
<tr>
<th>Category</th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition and Fees</td>
<td>$415,903</td>
<td>$378,133</td>
<td>$37,771</td>
<td>$397,532</td>
<td>$18,371</td>
</tr>
<tr>
<td>State Appropriations</td>
<td>661,577</td>
<td>697,116</td>
<td>(35,539)</td>
<td>652,837</td>
<td>8,740</td>
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<tr>
<td>Contracts and Grants</td>
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<td>375,003</td>
<td>255,950</td>
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<td>58,205</td>
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<tr>
<td>Federal and State Financial Aid</td>
<td>212,749</td>
<td>207,699</td>
<td>5,050</td>
<td>209,456</td>
<td>3,293</td>
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<tr>
<td>Investment Income</td>
<td>(10,577)</td>
<td>4,638</td>
<td>(15,215)</td>
<td>16,515</td>
<td>(27,092)</td>
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<tr>
<td>Sales of Goods &amp; Services</td>
<td>160,331</td>
<td>158,606</td>
<td>1,725</td>
<td>143,419</td>
<td>16,912</td>
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<tr>
<td>Other Revenue</td>
<td>44,108</td>
<td>12,759</td>
<td>31,349</td>
<td>117,502</td>
<td>(73,394)</td>
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<tr>
<td>Transfers From Component Units</td>
<td>953,461</td>
<td>765,981</td>
<td>187,480</td>
<td>866,357</td>
<td>87,104</td>
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<tr>
<td><strong>Total Revenues</strong></td>
<td><strong>$3,068,505</strong></td>
<td><strong>$2,599,935</strong></td>
<td><strong>$468,570</strong></td>
<td><strong>$2,976,366</strong></td>
<td><strong>$92,139</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Category</th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
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<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
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<tbody>
<tr>
<td>Employee Compensation</td>
<td>$2,046,212</td>
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<td>Utilities</td>
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<td>51,902</td>
<td>8,266</td>
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<td>Scholarships and Fellowships</td>
<td>193,835</td>
<td>134,637</td>
<td>59,198</td>
<td>208,387</td>
<td>(14,552)</td>
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<tr>
<td>Total Other Operating Expenses</td>
<td>754,773</td>
<td>625,248</td>
<td>129,525</td>
<td>663,125</td>
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<td>Depreciation</td>
<td>135,058</td>
<td>135,000</td>
<td>58</td>
<td>128,226</td>
<td>6,832</td>
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<tr>
<td>Other Non Operating Expenses</td>
<td>40,991</td>
<td>-</td>
<td>40,991</td>
<td>20,279</td>
<td>20,712</td>
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<tr>
<td><strong>Total Expenses</strong></td>
<td><strong>$2,977,034</strong></td>
<td><strong>$2,687,589</strong></td>
<td><strong>$289,445</strong></td>
<td><strong>$2,690,962</strong></td>
<td><strong>$286,072</strong></td>
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<table>
<thead>
<tr>
<th>Category</th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Net Income</strong></td>
<td><strong>$91,471</strong></td>
<td><strong>$87,654</strong></td>
<td><strong>$179,125</strong></td>
<td><strong>$285,403</strong></td>
<td><strong>$193,932</strong></td>
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</tbody>
</table>

### Total Revenue - Five Year Trend

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>$2,644,303</td>
</tr>
<tr>
<td>2020</td>
<td>$2,613,140</td>
</tr>
<tr>
<td>2021</td>
<td>$2,594,783</td>
</tr>
<tr>
<td>2022</td>
<td>$2,976,366</td>
</tr>
<tr>
<td>2023</td>
<td>$3,068,505</td>
</tr>
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</table>
Revenues and Expenses

<table>
<thead>
<tr>
<th>Revenues</th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ticket Sales</td>
<td>$35,246</td>
<td>$31,335</td>
<td>$3,911</td>
<td>$34,059</td>
<td>$1,187</td>
</tr>
<tr>
<td>SEC and NCAA Distributions</td>
<td>45,977</td>
<td>43,216</td>
<td>2,761</td>
<td>46,271</td>
<td>(294)</td>
</tr>
<tr>
<td>Contributions</td>
<td>38,396</td>
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<td>2,732</td>
<td>36,703</td>
<td>1,693</td>
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<tr>
<td>Investment Income</td>
<td>5,114</td>
<td>4,705</td>
<td>(419)</td>
<td>4,705</td>
<td>8,598</td>
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<tr>
<td>Royalties and Sponsorships</td>
<td>17,723</td>
<td>15,466</td>
<td>2,257</td>
<td>15,552</td>
<td>2,171</td>
</tr>
<tr>
<td>Transfers from Gator Boosters</td>
<td>8,520</td>
<td>7,577</td>
<td>943</td>
<td>10,337</td>
<td>2,843</td>
</tr>
<tr>
<td>Other Revenues</td>
<td>13,180</td>
<td>10,337</td>
<td>2,843</td>
<td>10,337</td>
<td>2,843</td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td><strong>$164,156</strong></td>
<td><strong>$133,897</strong></td>
<td><strong>$30,259</strong></td>
<td><strong>$156,744</strong></td>
<td><strong>$7,412</strong></td>
</tr>
</tbody>
</table>

Expenses

<table>
<thead>
<tr>
<th>Expenses</th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employee Compensation and Benefits</td>
<td>$55,649</td>
<td>$50,362</td>
<td>$5,287</td>
<td>$65,498</td>
<td>(9,849)</td>
</tr>
<tr>
<td>Football and Direct Sports Team Expenses</td>
<td>28,263</td>
<td>22,082</td>
<td>$6,181</td>
<td>23,853</td>
<td>4,410</td>
</tr>
<tr>
<td>Scholarships</td>
<td>16,623</td>
<td>14,426</td>
<td>$2,197</td>
<td>12,600</td>
<td>4,023</td>
</tr>
<tr>
<td>Other Expenses</td>
<td>31,576</td>
<td>23,927</td>
<td>$7,649</td>
<td>31,540</td>
<td>36</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td><strong>$132,111</strong></td>
<td><strong>$110,797</strong></td>
<td><strong>$21,314</strong></td>
<td><strong>$133,491</strong></td>
<td><strong>(1,380)</strong></td>
</tr>
</tbody>
</table>

Net Income

| Net Income                                    | $32,045 | $23,100       | $8,945                    | $23,253 | $8,792                |

Total Revenue - Five Year Trend
Assets and Liabilities

Revenues and Expenses

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributions</td>
<td>$214,513</td>
<td>$83,072</td>
<td>$131,441</td>
<td>$148,073</td>
<td>$66,440</td>
</tr>
<tr>
<td>Investment Income</td>
<td>47,386</td>
<td>83,750</td>
<td>(36,364)</td>
<td>128,041</td>
<td>(80,655)</td>
</tr>
<tr>
<td>Other Revenues</td>
<td>12,636</td>
<td>7,033</td>
<td>5,603</td>
<td>18,398</td>
<td>(5,762)</td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td>$274,535</td>
<td>$173,855</td>
<td>$100,680</td>
<td>$294,512</td>
<td>$(19,977)</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transfers to the University/Component Units</td>
<td>$161,673</td>
<td>$108,726</td>
<td>$52,947</td>
<td>$132,066</td>
<td>$29,607</td>
</tr>
<tr>
<td>Employee Compensation and Benefits</td>
<td>17,729</td>
<td>19,720</td>
<td>(1,991)</td>
<td>16,174</td>
<td>1,555</td>
</tr>
<tr>
<td>Other Operating Expenses</td>
<td>13,032</td>
<td>14,456</td>
<td>(1,424)</td>
<td>9,263</td>
<td>3,769</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td>$192,434</td>
<td>$142,902</td>
<td>$49,532</td>
<td>$157,503</td>
<td>$34,931</td>
</tr>
<tr>
<td><strong>Net Income</strong></td>
<td>$82,101</td>
<td>$30,953</td>
<td>$51,148</td>
<td>$137,009</td>
<td>$(54,908)</td>
</tr>
</tbody>
</table>

UF Foundation, Inc.
Quarterly Financial Report
For the nine months ending 3/31/2023 (amounts expressed in thousands)

Revenues and Expenses

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributions</td>
<td>$214,513</td>
<td>$83,072</td>
<td>$131,441</td>
<td>$148,073</td>
<td>$66,440</td>
</tr>
<tr>
<td>Investment Income</td>
<td>47,386</td>
<td>83,750</td>
<td>(36,364)</td>
<td>128,041</td>
<td>(80,655)</td>
</tr>
<tr>
<td>Other Revenues</td>
<td>12,636</td>
<td>7,033</td>
<td>5,603</td>
<td>18,398</td>
<td>(5,762)</td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td>$274,535</td>
<td>$173,855</td>
<td>$100,680</td>
<td>$294,512</td>
<td>$(19,977)</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transfers to the University/Component Units</td>
<td>$161,673</td>
<td>$108,726</td>
<td>$52,947</td>
<td>$132,066</td>
<td>$29,607</td>
</tr>
<tr>
<td>Employee Compensation and Benefits</td>
<td>17,729</td>
<td>19,720</td>
<td>(1,991)</td>
<td>16,174</td>
<td>1,555</td>
</tr>
<tr>
<td>Other Operating Expenses</td>
<td>13,032</td>
<td>14,456</td>
<td>(1,424)</td>
<td>9,263</td>
<td>3,769</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td>$192,434</td>
<td>$142,902</td>
<td>$49,532</td>
<td>$157,503</td>
<td>$34,931</td>
</tr>
<tr>
<td><strong>Net Income</strong></td>
<td>$82,101</td>
<td>$30,953</td>
<td>$51,148</td>
<td>$137,009</td>
<td>$(54,908)</td>
</tr>
</tbody>
</table>

Total Revenue - Five Year Trend
Shands Teaching Hospital & Clinics, Inc.
Quarterly Financial Report
For the nine months ending 3/31/2023 (amounts expressed in thousands)

**Assets and Liabilities**

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY2023 Actuals</th>
<th>Q3 FY2022 Actuals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash and Investments</td>
<td>$1,252,899</td>
<td>$1,431,680</td>
</tr>
<tr>
<td>Patient Accounts Receivable</td>
<td>$322,186</td>
<td>$341,913</td>
</tr>
<tr>
<td>Long-term Debt</td>
<td>$1,060,916</td>
<td>$1,085,667</td>
</tr>
<tr>
<td>Medicare advances</td>
<td>$-</td>
<td>$96,966</td>
</tr>
</tbody>
</table>

**Revenues and Expenses**

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient Service Revenue</td>
<td>$ 1,981,544</td>
<td>$ 1,929,280</td>
<td>$ 52,264</td>
<td>$ 1,938,723</td>
<td>$ 42,821</td>
</tr>
<tr>
<td>Other Operating Revenue</td>
<td>46,671</td>
<td>45,333</td>
<td>1,338</td>
<td>42,582</td>
<td>4,089</td>
</tr>
<tr>
<td>Nonoperating Revenue, Net</td>
<td>20,779</td>
<td>(4,357)</td>
<td>25,136</td>
<td>(61,513)</td>
<td>82,292</td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td>$ 2,048,994</td>
<td>$ 1,970,256</td>
<td>$ 78,738</td>
<td>$ 1,919,792</td>
<td>$ 129,202</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Employee Compensation and Benefits</td>
<td>$ 910,641</td>
<td>$ 844,862</td>
<td>$ 65,779</td>
<td>$ 772,846</td>
<td>$ 137,795</td>
</tr>
<tr>
<td>Supplies and Services</td>
<td>902,995</td>
<td>879,334</td>
<td>$ 23,661</td>
<td>854,407</td>
<td>48,588</td>
</tr>
<tr>
<td>Other Expenses</td>
<td>188,324</td>
<td>198,906</td>
<td>(10,582)</td>
<td>189,712</td>
<td>(1,388)</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td>$ 2,001,960</td>
<td>$ 1,923,102</td>
<td>$ 78,858</td>
<td>$ 1,816,965</td>
<td>$ 184,995</td>
</tr>
<tr>
<td><strong>Net Income</strong></td>
<td>$ -</td>
<td>$ -</td>
<td>(120)</td>
<td>$ 102,827</td>
<td>$ (55,793)</td>
</tr>
</tbody>
</table>

**Patient Service Revenue - Five Year Trend**

<table>
<thead>
<tr>
<th></th>
<th>Q3 2019</th>
<th>Q3 2020</th>
<th>Q3 2021</th>
<th>Q3 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient Service Revenue</td>
<td>$1,424,919</td>
<td>$1,432,945</td>
<td>$1,519,052</td>
<td>$1,938,723</td>
</tr>
</tbody>
</table>
## Shands Jacksonville Healthcare, Inc.

**Quarterly Financial Report**

*For the nine months ending 3/31/2023 (amounts expressed in thousands)*

### Assets and Liabilities

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY2023 Actuals</th>
<th>Q3 FY2022 Actuals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash and Investments</td>
<td>$107,029</td>
<td>$105,580</td>
</tr>
<tr>
<td>Patient Accounts Receivable</td>
<td>$147,201</td>
<td>$136,630</td>
</tr>
<tr>
<td>Long-term Debt</td>
<td>$456,498</td>
<td>$449,704</td>
</tr>
<tr>
<td>Medicare Advances</td>
<td>$37,842</td>
<td>$100,000</td>
</tr>
</tbody>
</table>

### Revenues and Expenses

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient Service Revenue</td>
<td>$662,445</td>
<td>$708,913</td>
<td>$(46,468)</td>
<td>$673,346</td>
<td>$(10,901)</td>
</tr>
<tr>
<td>Investment and Other Income</td>
<td>33,743</td>
<td>27,525</td>
<td>6,219</td>
<td>39,322</td>
<td>(5,579)</td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td>$696,188</td>
<td>$736,438</td>
<td>$(40,250)</td>
<td>$712,668</td>
<td>$(16,480)</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Employee Compensation and Benefits</td>
<td>$329,620</td>
<td>$331,494</td>
<td>$(1,874)</td>
<td>$323,504</td>
<td>6,116</td>
</tr>
<tr>
<td>Supplies, Services and Other Expenses</td>
<td>321,155</td>
<td>340,750</td>
<td>(19,595)</td>
<td>317,628</td>
<td>3,527</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td>$650,775</td>
<td>$672,244</td>
<td>$(21,469)</td>
<td>$641,132</td>
<td>$9,643</td>
</tr>
<tr>
<td><strong>Net Income</strong></td>
<td>$45,413</td>
<td>$64,194</td>
<td>$(18,781)</td>
<td>$71,536</td>
<td>$(26,123)</td>
</tr>
</tbody>
</table>

### Patient Service Revenue - Five Year Trend

![Patient Service Revenue - Five Year Trend](image)

**Q3 2019**: $553,966  
**Q3 2020**: $569,620  
**Q3 2021**: $597,970  
**Q3 2022**: $673,346
### Revenues and Expenses

<table>
<thead>
<tr>
<th>Description</th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient Service Revenue</td>
<td>$616,187</td>
<td>$612,987</td>
<td>$3,200</td>
<td>$576,014</td>
<td>$40,173</td>
</tr>
<tr>
<td>Hospital support</td>
<td>42,872</td>
<td>49,125</td>
<td>(6,253)</td>
<td>40,500</td>
<td>2,372</td>
</tr>
<tr>
<td>Investment Income</td>
<td>1,728</td>
<td>-</td>
<td>1,728</td>
<td>937</td>
<td>791</td>
</tr>
<tr>
<td>Other Revenue</td>
<td>4,775</td>
<td>-</td>
<td>4,775</td>
<td>7,457</td>
<td>(2,682)</td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td>$665,562</td>
<td>$662,112</td>
<td>$3,450</td>
<td>$624,908</td>
<td>$40,654</td>
</tr>
<tr>
<td>Transfers to University</td>
<td>$534,902</td>
<td>$524,554</td>
<td>$10,348</td>
<td>$493,053</td>
<td>$41,849</td>
</tr>
<tr>
<td>Supplies and Services</td>
<td>153,437</td>
<td>166,903</td>
<td>(13,466)</td>
<td>130,115</td>
<td>23,322</td>
</tr>
<tr>
<td>Depreciation</td>
<td>9,400</td>
<td>3,373</td>
<td>6,027</td>
<td>9,408</td>
<td>(8)</td>
</tr>
<tr>
<td>Other Expenses</td>
<td>2,948</td>
<td>1,350</td>
<td>1,598</td>
<td>2,799</td>
<td>149</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td>$700,687</td>
<td>$696,180</td>
<td>$4,507</td>
<td>$635,375</td>
<td>$65,312</td>
</tr>
<tr>
<td><strong>Net Income</strong></td>
<td><strong>$ (35,125)</strong></td>
<td><strong>$ (34,068)</strong></td>
<td><strong>$ (1,057)</strong></td>
<td><strong>$ (10,467)</strong></td>
<td><strong>$ (24,658)</strong></td>
</tr>
</tbody>
</table>

### Patient Service Revenue - Five Year Trend

<table>
<thead>
<tr>
<th>Year</th>
<th>Patient Service Revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q3 19</td>
<td>$437,535</td>
</tr>
<tr>
<td>Q3 20</td>
<td>$455,481</td>
</tr>
<tr>
<td>Q3 21</td>
<td>$533,161</td>
</tr>
<tr>
<td>Q3 22</td>
<td>$576,014</td>
</tr>
<tr>
<td>Q3 23</td>
<td>$646,187</td>
</tr>
</tbody>
</table>

### Florida Clinical Practice Association, Inc.

Quarterly Financial Report

For the nine months ending 3/31/2023 (amounts expressed in thousands)
### Revenues and Expenses

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient Service Revenue</td>
<td>$203,046</td>
<td>$206,404</td>
<td>($3,358)</td>
<td>$188,555</td>
<td>$14,491</td>
</tr>
<tr>
<td>Investment Income</td>
<td>$320</td>
<td>$194</td>
<td>126</td>
<td>$214</td>
<td>106</td>
</tr>
<tr>
<td>Other Revenue</td>
<td>$62,975</td>
<td>$63,281</td>
<td>($306)</td>
<td>$68,048</td>
<td>(5,073)</td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td>$266,341</td>
<td>$269,879</td>
<td>($3,538)</td>
<td>$256,817</td>
<td>$9,524</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Employee Compensation and Benefits</td>
<td>$93,393</td>
<td>$97,696</td>
<td>($4,303)</td>
<td>$93,423</td>
<td>($30)</td>
</tr>
<tr>
<td>Supplies and Services</td>
<td>$17,053</td>
<td>$17,712</td>
<td>($659)</td>
<td>$10,958</td>
<td>6,095</td>
</tr>
<tr>
<td>Depreciation</td>
<td>$3,904</td>
<td>$3,962</td>
<td>($58)</td>
<td>$4,326</td>
<td>(422)</td>
</tr>
<tr>
<td>Other Expenses</td>
<td>$26,890</td>
<td>$27,557</td>
<td>($667)</td>
<td>$25,505</td>
<td>1,385</td>
</tr>
<tr>
<td>Transfers to UF</td>
<td>$128,363</td>
<td>$125,553</td>
<td>$2,810</td>
<td>$121,843</td>
<td>6,520</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td>$269,603</td>
<td>$272,480</td>
<td>($2,877)</td>
<td>$256,055</td>
<td>$13,548</td>
</tr>
<tr>
<td><strong>Net Income</strong></td>
<td>($3,262)</td>
<td>($2,601)</td>
<td>($661)</td>
<td>$762</td>
<td>($4,024)</td>
</tr>
</tbody>
</table>

### Patient Service Revenue - Five Year Trend

- Q3 2019: $176,704
- Q3 2020: $187,647
- Q3 2021: $185,248
- Q3 2022: $188,555
- Q3 2023: $203,046
# GatorCare Health Management Corporation
## Quarterly Financial Report
### For the nine months ending 3/31/2023 (amounts expressed in thousands)

## Assets and Liabilities

<table>
<thead>
<tr>
<th>$80,000</th>
<th>$60,000</th>
<th>$40,000</th>
<th>$20,000</th>
<th>$</th>
<th>Cash and Investments</th>
<th>Claim Payable and not Reported</th>
</tr>
</thead>
<tbody>
<tr>
<td>$57,732</td>
<td>$52,884</td>
<td>$38,083</td>
<td>$36,768</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Revenues and Expenses

<table>
<thead>
<tr>
<th>Revenues</th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contributions from Participating Employers</td>
<td>$190,642</td>
<td>$189,458</td>
<td>$1,184</td>
<td>$167,427</td>
<td>$23,215</td>
</tr>
<tr>
<td>Investment Income</td>
<td>392</td>
<td>225</td>
<td>167</td>
<td>199</td>
<td>193</td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td><strong>$191,034</strong></td>
<td><strong>$189,683</strong></td>
<td><strong>$1,351</strong></td>
<td><strong>$167,626</strong></td>
<td><strong>$23,408</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Expenses</th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health and Pharmacy Claim Expenses</td>
<td>$186,262</td>
<td>$188,455</td>
<td>$(2,193)</td>
<td>$169,218</td>
<td>$17,044</td>
</tr>
<tr>
<td>Administrative Expenses</td>
<td>1,338</td>
<td>1,217</td>
<td>121</td>
<td>1,329</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td><strong>$187,600</strong></td>
<td><strong>$189,672</strong></td>
<td><strong>$2,072</strong></td>
<td><strong>$170,547</strong></td>
<td><strong>$17,053</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Net Income</th>
<th>Q3 FY23</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$3,434</strong></td>
<td><strong>$3,423</strong></td>
<td><strong>$11</strong></td>
<td></td>
</tr>
</tbody>
</table>

## Revenue and Expense - Five Year Trend

- **Contributions from Employers**
- **Claims Expense**

### Revenue and Expense - Five Year Trend

<table>
<thead>
<tr>
<th>Q3 2019</th>
<th>Q3 2020</th>
<th>Q3 2021</th>
<th>Q3 2022</th>
<th>Q3 2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>$157,084</td>
<td>$159,516</td>
<td>$164,492</td>
<td>$169,427</td>
<td>$190,542</td>
</tr>
<tr>
<td>$139,668</td>
<td>$140,581</td>
<td>$160,504</td>
<td>$180,000</td>
<td>$180,262</td>
</tr>
</tbody>
</table>
### Revenues and Expenses

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Management Fees</td>
<td>$4,948</td>
<td>$4,900</td>
<td>$48</td>
<td>$4,721</td>
<td>$227</td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td>$4,948</td>
<td>$4,900</td>
<td>$48</td>
<td>$4,721</td>
<td>$227</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Employee Compensation and Benefits</td>
<td>$4,256</td>
<td>$4,245</td>
<td>$11</td>
<td>$4,010</td>
<td>$246</td>
</tr>
<tr>
<td>General Administration</td>
<td>489</td>
<td>556</td>
<td>(67)</td>
<td>352</td>
<td>137</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td>$4,745</td>
<td>$4,801</td>
<td>(56)</td>
<td>$4,362</td>
<td>$383</td>
</tr>
<tr>
<td><strong>Net Income</strong></td>
<td>$203</td>
<td>$99</td>
<td>$104</td>
<td>$359</td>
<td>$(156)</td>
</tr>
<tr>
<td>Revenues and Expenses</td>
<td>Q3 FY23</td>
<td>Q3 FY23 Budget</td>
<td>Actuals to Budget Variance</td>
<td>Q3 FY22</td>
<td>FY23 to FY22 Variance</td>
</tr>
<tr>
<td>----------------------------</td>
<td>---------</td>
<td>----------------</td>
<td>----------------------------</td>
<td>---------</td>
<td>----------------------</td>
</tr>
<tr>
<td>Royalties and License Fees</td>
<td>$ 32,699</td>
<td>$ 26,978</td>
<td>$ 5,721</td>
<td>$ 33,735</td>
<td>$(1,036)</td>
</tr>
<tr>
<td>Other Revenues</td>
<td>$ 5,228</td>
<td>$ 5,562</td>
<td>$(334)</td>
<td>$ 5,662</td>
<td>$(434)</td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td><strong>$ 37,927</strong></td>
<td><strong>$ 32,540</strong></td>
<td><strong>$ 5,387</strong></td>
<td><strong>$ 39,397</strong></td>
<td><strong>$(1,470)</strong></td>
</tr>
<tr>
<td>Transfers to UF</td>
<td>$ 28,703</td>
<td>$ 27,888</td>
<td>$ 815</td>
<td>$ 26,930</td>
<td>$ 1,773</td>
</tr>
<tr>
<td>Other Operating Expenses</td>
<td>$ 9,445</td>
<td>$ 10,287</td>
<td>$(842)</td>
<td>$ 9,406</td>
<td>$ 39</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td><strong>$ 38,148</strong></td>
<td><strong>$ 38,175</strong></td>
<td><strong>$(27)</strong></td>
<td><strong>$ 36,336</strong></td>
<td><strong>$ 1,812</strong></td>
</tr>
<tr>
<td><strong>Net Income</strong></td>
<td><strong>$(221)</strong></td>
<td><strong>$(5,635)</strong></td>
<td><strong>$ 5,414</strong></td>
<td><strong>$ 3,061</strong></td>
<td><strong>$(3,282)</strong></td>
</tr>
</tbody>
</table>

**Royalties & Fees Revenue - Five Year Trend**
### Assets and Liabilities

![Cash and Investments Chart]

#### Revenues and Expenses

<table>
<thead>
<tr>
<th></th>
<th>Q4 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q4 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributions</td>
<td>$225</td>
<td>$191</td>
<td>$34</td>
<td>$264</td>
</tr>
<tr>
<td>Investment Income</td>
<td>94</td>
<td>132</td>
<td>(38)</td>
<td>140</td>
</tr>
<tr>
<td>Registration Fees</td>
<td>713</td>
<td>1005</td>
<td>(292)</td>
<td>276</td>
</tr>
<tr>
<td>Other Revenue</td>
<td>18</td>
<td>12</td>
<td>6</td>
<td>15</td>
</tr>
<tr>
<td>Transfers From Component Units</td>
<td>247</td>
<td>242</td>
<td>5</td>
<td>224</td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td>$1,297</td>
<td>$1,582</td>
<td>(285)</td>
<td>$918</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program Expenses</td>
<td>862</td>
<td>805</td>
<td>57</td>
<td>635</td>
</tr>
<tr>
<td>Management and General</td>
<td>39</td>
<td>42</td>
<td>-4</td>
<td>23</td>
</tr>
<tr>
<td>Transfers to the University</td>
<td>787</td>
<td>796</td>
<td>-9</td>
<td>489</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td>$1,687</td>
<td>$1,643</td>
<td>44</td>
<td>$1,147</td>
</tr>
<tr>
<td><strong>Net Income</strong></td>
<td>$ (390)</td>
<td>$ (61)</td>
<td>(329)</td>
<td>(229)</td>
</tr>
</tbody>
</table>

* Fiscal Year-end is 3/31

---

**Florida 4-H Club Foundation, Inc.**

**Quarterly Financial Report**

For the twelve months ending 3/31/2023 (amounts expressed in thousands)

**Revenues and Expenses**

- **Contributions**: Q4 FY23: $225, Q4 FY23 Budget: $191, Variance: $34, Q4 FY22: $264, Variance: (38)
- **Investment Income**: Q4 FY23: $94, Q4 FY23 Budget: $132, Variance: (38), Q4 FY22: $140, Variance: (46)
- **Registration Fees**: Q4 FY23: $713, Q4 FY23 Budget: $1,005, Variance: (292), Q4 FY22: $276, Variance: 437
- **Other Revenue**: Q4 FY23: $18, Q4 FY23 Budget: $12, Variance: 6, Q4 FY22: $15, Variance: 3
- **Transfers From Component Units**: Q4 FY23: $247, Q4 FY23 Budget: $242, Variance: 5, Q4 FY22: $224, Variance: 23

**Total Revenues**: Q4 FY23: $1,297, Q4 FY23 Budget: $1,582, Variance: (285), Q4 FY22: $918, Variance: 379

- **Program Expenses**: Q4 FY23: $862, Q4 FY23 Budget: $805, Variance: 57, Q4 FY22: $635, Variance: 226
- **Management and General**: Q4 FY23: $39, Q4 FY23 Budget: $42, Variance: -4, Q4 FY22: $23, Variance: 16
- **Transfers to the University**: Q4 FY23: $787, Q4 FY23 Budget: $796, Variance: -9, Q4 FY22: $489, Variance: 299

**Total Expenses**: Q4 FY23: $1,687, Q4 FY23 Budget: $1,643, Variance: 44, Q4 FY22: $1,147, Variance: 541

**Net Income**: Q4 FY23: $ (390), Q4 FY23 Budget: $ (61), Variance: (329), Q4 FY22: $ (229), Variance: (162)
## Florida Foundation Seed Producers, Inc.
### Quarterly Financial Report
For the nine months ending 3/31/2023 (amounts expressed in thousands)

### Assets and Liabilities

<table>
<thead>
<tr>
<th></th>
<th>Cash</th>
<th>Royalties Receivable</th>
<th>Royalties Payable</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$12,670</td>
<td>$12,936</td>
<td>$8,664</td>
</tr>
</tbody>
</table>

### Revenues and Expenses

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sales of Seed</td>
<td>$164</td>
<td>$109</td>
<td>$55</td>
<td>$123</td>
<td>$41</td>
</tr>
<tr>
<td>Royalties</td>
<td>8,542</td>
<td>9,000</td>
<td>(458)</td>
<td>8,565</td>
<td>(23)</td>
</tr>
<tr>
<td>Other Revenues</td>
<td>148</td>
<td>70</td>
<td>78</td>
<td>427</td>
<td>(278)</td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td>$8,854</td>
<td>$9,179</td>
<td>(325)</td>
<td>$9,115</td>
<td>(260)</td>
</tr>
<tr>
<td>Employee Compensation and Benefits</td>
<td>$457</td>
<td>$468</td>
<td>(11)</td>
<td>$427</td>
<td>$30</td>
</tr>
<tr>
<td>Cost of Seeds Sold and Payment of Personal Royalties to Faculty Inventors</td>
<td>3,770</td>
<td>3,952</td>
<td>(182)</td>
<td>3,317</td>
<td>453</td>
</tr>
<tr>
<td>Transfers to UF</td>
<td>7,386</td>
<td>5,396</td>
<td>1,991</td>
<td>7,131</td>
<td>255</td>
</tr>
<tr>
<td>Other Expenses</td>
<td>133</td>
<td>167</td>
<td>(34)</td>
<td>99</td>
<td>34</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td>$11,747</td>
<td>$9,983</td>
<td>1,764</td>
<td>$10,975</td>
<td>$772</td>
</tr>
<tr>
<td><strong>Net Income</strong></td>
<td>$(2,893)</td>
<td>$(804)</td>
<td>$(2,089)</td>
<td>$(1,860)</td>
<td>$(1,032)</td>
</tr>
</tbody>
</table>

### Total Revenue - Five Year Trend

![Total Revenue - Five Year Trend](chart.png)
## Citrus Research and Development Foundation, Inc.

### Quarterly Financial Report

For the nine months ending 3/31/2023 *(amounts expressed in thousands)*

### Assets and Liabilities

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY2023</th>
<th>Q3 FY2022 Actuals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash and Investments</td>
<td>$2,858</td>
<td>$3,083</td>
</tr>
</tbody>
</table>

### Revenues and Expenses

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>State Appropriations</td>
<td>$1,835</td>
<td>$3,896</td>
<td>$3,498</td>
<td>$1,663</td>
</tr>
<tr>
<td>Research Contracts</td>
<td>$3,616</td>
<td>$4,448</td>
<td>$2,591</td>
<td>$1,025</td>
</tr>
<tr>
<td>Other Revenues</td>
<td>$45</td>
<td>$9</td>
<td>$36</td>
<td>$30</td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td><strong>$5,496</strong></td>
<td><strong>$8,353</strong></td>
<td><strong>$6,104</strong></td>
<td><strong>$608</strong></td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Projects Contracts</td>
<td>$5,128</td>
<td>$7,075</td>
<td>$7,707</td>
<td>$2,579</td>
</tr>
<tr>
<td>Employee Compensation and Benefits</td>
<td>$331</td>
<td>$332</td>
<td>$347</td>
<td>$16</td>
</tr>
<tr>
<td>Other Expenses</td>
<td>$203</td>
<td>$248</td>
<td>$252</td>
<td>$49</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td><strong>$5,662</strong></td>
<td><strong>$7,655</strong></td>
<td><strong>$8,306</strong></td>
<td><strong>$2,644</strong></td>
</tr>
<tr>
<td><strong>Net Income</strong></td>
<td><strong>$166</strong></td>
<td><strong>$698</strong></td>
<td><strong>$2,036</strong></td>
<td><strong>$2,202</strong></td>
</tr>
</tbody>
</table>

### Five-Year Revenue Trend

<table>
<thead>
<tr>
<th>Quarter</th>
<th>Revenue (amounts in thousands)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q3 2019</td>
<td>$7,484</td>
</tr>
<tr>
<td>Q3 2020</td>
<td>$6,775</td>
</tr>
<tr>
<td>Q3 2021</td>
<td>$8,597</td>
</tr>
<tr>
<td>Q3 2022</td>
<td>$6,108</td>
</tr>
<tr>
<td>Q3 2023</td>
<td>$5,496</td>
</tr>
</tbody>
</table>

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**Citrus Research and Development Foundation, Inc.**

Quarterly Financial Report

For the nine months ending 3/31/2023 *(amounts expressed in thousands)*

*Note: The table and graph above represent the financial data of Citrus Research and Development Foundation, Inc. for the nine months ending 3/31/2023. The data includes revenue, expenses, and net income for the period.*
### University of Florida Leadership and Education Foundation, Inc.
#### Quarterly Financial Report
For the three months ending 3/31/2023 (amounts expressed in thousands)

#### Assets and Liabilities

![Cash and Cash Equivalent Diagram](chart.png)

#### Revenues and Expenses

<table>
<thead>
<tr>
<th></th>
<th>Q1 FY23</th>
<th>Q1 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q1 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conference Revenue</td>
<td>$539</td>
<td>$413</td>
<td>$126</td>
<td>$419</td>
<td>$120</td>
</tr>
<tr>
<td>Other Revenues</td>
<td>$29</td>
<td>$21</td>
<td>$7</td>
<td>$1</td>
<td>$28</td>
</tr>
<tr>
<td>Transfers In (From Component Units)</td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$140</td>
<td>-$140</td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td>$568</td>
<td>$434</td>
<td>$134</td>
<td>$560</td>
<td>$8</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conference Expenses</td>
<td>$103</td>
<td>$76</td>
<td>$26</td>
<td>$188</td>
<td>-$85</td>
</tr>
<tr>
<td>Operating Expenses</td>
<td>$30</td>
<td>$42</td>
<td>-$13</td>
<td>$35</td>
<td>-$5</td>
</tr>
<tr>
<td>Transfer to the UF (SPA Salaries)</td>
<td>$146</td>
<td>$146</td>
<td>$</td>
<td>$133</td>
<td>$13</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td>$278</td>
<td>$265</td>
<td>$14</td>
<td>$356</td>
<td>-$78</td>
</tr>
<tr>
<td><strong>Net Income</strong></td>
<td>$289</td>
<td>$169</td>
<td>$120</td>
<td>$204</td>
<td>$85</td>
</tr>
</tbody>
</table>

#### Five Year Total Revenue Trend

![Five Year Total Revenue Trend Chart](chart.png)

<table>
<thead>
<tr>
<th>Year</th>
<th>Revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q1 2019</td>
<td>$539</td>
</tr>
<tr>
<td>Q1 2020</td>
<td>$413</td>
</tr>
<tr>
<td>Q1 2021</td>
<td>$568</td>
</tr>
<tr>
<td>Q1 2022</td>
<td>$650</td>
</tr>
<tr>
<td>Q1 2023</td>
<td>$732</td>
</tr>
</tbody>
</table>
# UF Cattle Enhancement Board, Inc.
## Quarterly Financial Report
For the nine months ending 3/31/2023 (amounts expressed in thousands)

## Assets and Liabilities
![Cash and Cash Equivalent](image)

### Revenues and Expenses

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>State Appropriation</td>
<td>$ 768</td>
<td>$ 250</td>
<td>$ 518</td>
<td>$ 250</td>
<td>$ 518</td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td>$ 768</td>
<td>$ 250</td>
<td>$ 518</td>
<td>$ 250</td>
<td>$ 518</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Projects</td>
<td>$ 356</td>
<td>$ 230</td>
<td>$ 126</td>
<td>$ 234</td>
<td>$ 122</td>
</tr>
<tr>
<td>Cattle Marketing and Promotion</td>
<td>77</td>
<td>-</td>
<td>77</td>
<td>-</td>
<td>77</td>
</tr>
<tr>
<td>Administrative Expenses</td>
<td>27</td>
<td>20</td>
<td>7</td>
<td>7</td>
<td>20</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td>$ 460</td>
<td>$ 250</td>
<td>$ 210</td>
<td>$ 241</td>
<td>$ 219</td>
</tr>
<tr>
<td><strong>Net Income</strong></td>
<td>$ 308</td>
<td>-</td>
<td>$ 308</td>
<td>$ 9</td>
<td>$ 299</td>
</tr>
</tbody>
</table>
Faculty Associates, Inc.  
Quarterly Financial Report  
For the nine months ending 3/31/2023  
(amounts expressed in thousands)

### Assets and Liabilities

![Bar chart showing cash and accounts receivable](image)

- **Cash**: $25,862 (Q3 FY2023 Actuals), $19,044 (Q3 FY2022 Actuals)
- **Accounts Receivable, net**: $5,040 (Q3 FY2023 Actuals), $4,780 (Q3 FY2022 Actuals)

### Revenues and Expenses

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Professional Fees</td>
<td>$16,753</td>
<td>$18,032</td>
<td>($1,279)</td>
<td>$17,366</td>
<td>($613)</td>
</tr>
<tr>
<td>Investment Income</td>
<td>439</td>
<td>60</td>
<td>379</td>
<td>20</td>
<td>419</td>
</tr>
<tr>
<td>Medicaid Supplemental</td>
<td>4,403</td>
<td>4,306</td>
<td>97</td>
<td>4,306</td>
<td>97</td>
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<tr>
<td>CARES Funds</td>
<td>2,571</td>
<td>-</td>
<td>2,571</td>
<td>-</td>
<td>2,571</td>
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<td><strong>Total Revenues</strong></td>
<td>$24,166</td>
<td>$22,398</td>
<td>$1,768</td>
<td>$21,692</td>
<td>$2,474</td>
</tr>
</tbody>
</table>

|                      |          |                |                           |          |                       |
| **Expenses**         |          |                |                           |          |                       |
| Transfers to UF      | $16,370  | $16,125        | $245                      | $15,900  | $470                  |
| Credit Card Fees     | 460      | 513            | (53)                      | 463      | (3)                   |
| Medicaid SupplementalIGT | 1,383    | 1,383          | -                         | -        | 1,383                 |
| **Total Expenses**   | $18,213  | $18,021        | $192                      | $16,363  | $1,850                |

|                      |          |                |                           |          |                       |
| **Net Income**       | $5,953   | $4,377         | $1,576                    | $5,329   | $624                  |

### Professional Fees - Five Year Trend

- Q3 2019: $14,958
- Q3 2020: $14,987
- Q3 2021: $15,609
- Q3 2022: $17,366
- Q3 2023: $16,753

(Note: The chart shows the trend of Professional Fees from Q3 2019 to Q3 2023.)
### University of Florida College of Pharmacy Faculty Practice Association, Inc.
**Quarterly Financial Report**

*For the nine months ending 3/31/2023 (amounts expressed in thousands)*

#### Assets and Liabilities

<table>
<thead>
<tr>
<th></th>
<th>Cash</th>
<th>Accounts Receivable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q3 FY2023 Actuals</td>
<td>$288</td>
<td>$583</td>
</tr>
<tr>
<td>Q3 FY2022 Actuals</td>
<td>-</td>
<td>$121</td>
</tr>
</tbody>
</table>

#### Revenues and Expenses

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program Revenues</td>
<td>$1,454</td>
<td>$1,500</td>
<td>$(46)</td>
<td>$2,476</td>
<td>$(1,022)</td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td>$1,454</td>
<td>$1,500</td>
<td>$(46)</td>
<td>$2,476</td>
<td>$(1,022)</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transfers to UF</td>
<td>$1,389</td>
<td>$1,500</td>
<td>$(111)</td>
<td>$8,710</td>
<td>$(7,321)</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td>$1,389</td>
<td>$1,500</td>
<td>$(111)</td>
<td>$8,710</td>
<td>$(7,321)</td>
</tr>
<tr>
<td><strong>Net Income</strong></td>
<td>$65</td>
<td>-$</td>
<td>$65</td>
<td>$65</td>
<td>$6,299</td>
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</tbody>
</table>

#### Program Revenue - Five Year Trend

- Q3 2019: $4,831
- Q3 2020: $4,729
- Q3 2021: $4,355
- Q3 2022: $2,746
- Q3 2023: $1,454
## Assets and Liabilities

<table>
<thead>
<tr>
<th></th>
<th>Cash</th>
<th>$5,248</th>
<th>Accounts Receivable</th>
<th>$6,939</th>
<th>Accounts Payable</th>
<th>$2,679</th>
<th>$1,867</th>
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</table>

## Revenues and Expenses

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient Service Revenue</td>
<td>$14,790</td>
<td>$13,891</td>
<td>$899</td>
<td>$13,343</td>
<td>$1,447</td>
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<tr>
<td>Other Revenue</td>
<td>$4,023</td>
<td>$3,518</td>
<td>$505</td>
<td>$3,356</td>
<td>$667</td>
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<tr>
<td><strong>Total Revenues</strong></td>
<td>$18,813</td>
<td>$17,409</td>
<td>$1,404</td>
<td>$16,699</td>
<td>$2,114</td>
</tr>
</tbody>
</table>

|                          |           |                |                            |           |                        |
| **Expenses**             |           |                |                            |           |                        |
| Transfers to UF          | $20,372   | $15,574        | $4,798                     | $13,054   | $7,318                 |
| Other Expenses           | $867      | $814           | $53                        | $777      | $90                    |
| **Total Expenses**       | $21,239   | $16,388        | $4,851                     | $13,831   | $7,408                 |

|                          |           |                |                            |           |                        |
| **Net Income**           | $(2,426)  | $1,021         | $(3,447)                   | $2,868    | $(5,294)               |

### Graphs

**Patient Service Revenue - Five Year Trend**

- Q3 2019: $12,884
- Q3 2020: $13,575
- Q3 2021: $15,444
- Q3 2022: $16,699
- Q3 2023: $18,813
## Florida Health Professions Association, Inc.
### Quarterly Financial Report
For the nine months ending 3/31/2023  *(amounts expressed in thousands)*

### Assets and Liabilities

<table>
<thead>
<tr>
<th>Cash and Cash Equivalent</th>
<th>Patient and Contracts Receivable</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$5,190</strong></td>
<td><strong>$5,687</strong></td>
</tr>
<tr>
<td><strong>$1,390</strong></td>
<td><strong>$1,110</strong></td>
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### Revenues and Expenses

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Professional Fees</td>
<td>$3,943</td>
<td>$3,374</td>
<td>$569</td>
<td>$3,206</td>
<td>$737</td>
</tr>
<tr>
<td>Total Revenues</td>
<td>$3,943</td>
<td>$3,374</td>
<td>$569</td>
<td>$3,206</td>
<td>$737</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transfers to the University</td>
<td>$3,994</td>
<td>$3,686</td>
<td>$308</td>
<td>$3,501</td>
<td>$493</td>
</tr>
<tr>
<td>Professional and Credit Card Fees</td>
<td>519</td>
<td>28</td>
<td>491</td>
<td>24</td>
<td>495</td>
</tr>
<tr>
<td>Total Expenses</td>
<td>$4,513</td>
<td>$3,714</td>
<td>$799</td>
<td>$3,525</td>
<td>$988</td>
</tr>
<tr>
<td><strong>Net Income</strong></td>
<td>$(570)</td>
<td>$(340)</td>
<td>$(230)</td>
<td>$(319)</td>
<td>$(251)</td>
</tr>
</tbody>
</table>

### Professional Fees - Five Year Trend

<table>
<thead>
<tr>
<th>Q3 2019</th>
<th>Q3 2020</th>
<th>Q3 2021</th>
<th>Q3 2022</th>
<th>Q3 2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>$2,954</td>
<td>$4,455</td>
<td>$3,162</td>
<td>$3,206</td>
<td>$3,943</td>
</tr>
</tbody>
</table>
### University of Florida College of Nursing Faculty Practice Association, Inc.
#### Quarterly Financial Report
For the nine months ending 3/31/2023 (amounts expressed in thousands)

#### Assets and Liabilities

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY2023 Actuals</th>
<th>Q3 FY2022 Actuals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash and Cash Equivalent</td>
<td>$116</td>
<td>$93</td>
</tr>
<tr>
<td>Patient and Contracts Receivable</td>
<td>$137</td>
<td>$238</td>
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</table>

#### Revenues and Expenses

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Professional Fees</td>
<td>$678</td>
<td>$660</td>
<td>$18</td>
<td>$579</td>
<td>$99</td>
</tr>
<tr>
<td>Contracts and Grants</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Other Revenue</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td>$678</td>
<td>$660</td>
<td>$18</td>
<td>$579</td>
<td>$99</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transfers to the University</td>
<td>$800</td>
<td>$800</td>
<td>$-</td>
<td>$650</td>
<td>$150</td>
</tr>
<tr>
<td>Professional and Credit Card Fees</td>
<td>21</td>
<td>24</td>
<td>(3)</td>
<td>23</td>
<td>(2)</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td>$821</td>
<td>$824</td>
<td>(3)</td>
<td>$673</td>
<td>$148</td>
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<tr>
<td><strong>Net Income</strong></td>
<td>$143</td>
<td>$164</td>
<td>21</td>
<td>$94</td>
<td>$49</td>
</tr>
</tbody>
</table>

#### Professional Fees - Five Year Trend

- Q3 2019: $649
- Q3 2020: $669
- Q3 2021: $706
- Q3 2022: $579
- Q3 2023: $678
### Assets and Liabilities

![Cash and Cash Equivalent](406/489)

<table>
<thead>
<tr>
<th>Cash and Cash Equivalent</th>
<th>Capital Assets, Net</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Q3 FY2023 Actuals</strong></td>
<td><strong>Q3 FY2022 Actuals</strong></td>
</tr>
<tr>
<td>$1,080</td>
<td>$1,196</td>
</tr>
<tr>
<td>$981</td>
<td>$888</td>
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</table>

### Revenues and Expenses

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rental Income</td>
<td>$897</td>
<td>$897</td>
<td>-$</td>
<td>$897</td>
<td>-$</td>
</tr>
<tr>
<td>Other Revenue</td>
<td>248</td>
<td>249</td>
<td>(1)</td>
<td>248</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td>$1,145</td>
<td>$1,146</td>
<td>(1)</td>
<td>$1,145</td>
<td>-</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contract Labor</td>
<td>$203</td>
<td>$254</td>
<td>(51)</td>
<td>$219</td>
<td>(16)</td>
</tr>
<tr>
<td>Repairs and Maintenance</td>
<td>338</td>
<td>290</td>
<td>48</td>
<td>243</td>
<td>95</td>
</tr>
<tr>
<td>Depreciation</td>
<td>102</td>
<td>121</td>
<td>(19)</td>
<td>103</td>
<td>(1)</td>
</tr>
<tr>
<td>Utilities</td>
<td>279</td>
<td>229</td>
<td>50</td>
<td>201</td>
<td>78</td>
</tr>
<tr>
<td>Other Expenses</td>
<td>150</td>
<td>150</td>
<td>-</td>
<td>142</td>
<td>8</td>
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<tr>
<td><strong>Total Expenses</strong></td>
<td>$1,072</td>
<td>$1,044</td>
<td>28</td>
<td>$908</td>
<td>$164</td>
</tr>
<tr>
<td><strong>Net Income</strong></td>
<td>$73</td>
<td>$102</td>
<td>(29)</td>
<td>$237</td>
<td>$164</td>
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</table>

### Total Revenue - Five Year Trend

<table>
<thead>
<tr>
<th>Q3 2019</th>
<th>Q3 2020</th>
<th>Q3 2021</th>
<th>Q3 2022</th>
<th>Q3 2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,080</td>
<td>$1,151</td>
<td>$1,154</td>
<td>$1,145</td>
<td>$1,145</td>
</tr>
<tr>
<td>Revenues and Expenses</td>
<td>Q3 FY23</td>
<td>Q3 FY23 Budget</td>
<td>Actuals to Budget Variance</td>
<td>Q3 FY22</td>
</tr>
<tr>
<td>-----------------------</td>
<td>---------</td>
<td>----------------</td>
<td>------------------------</td>
<td>---------</td>
</tr>
<tr>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contributions - Football</td>
<td>$34,239</td>
<td>$34,008</td>
<td>$231</td>
<td>$33,798</td>
</tr>
<tr>
<td>Contributions - Men's Basketball</td>
<td>2,835</td>
<td>2,850</td>
<td>(15)</td>
<td>2,838</td>
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<tr>
<td>Contributions - Baseball</td>
<td>1,119</td>
<td>1,132</td>
<td>(13)</td>
<td>1,129</td>
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<tr>
<td>Contributions - Major Giving</td>
<td>8,519</td>
<td>8,530</td>
<td>(11)</td>
<td>17,311</td>
</tr>
<tr>
<td>Endowment Related</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Other Revenues</td>
<td>2,524</td>
<td>244</td>
<td>2,280</td>
<td>1,246</td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td>$49,236</td>
<td>$46,764</td>
<td>$2,472</td>
<td>$56,322</td>
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<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Employee Compensation and Benefits</td>
<td>$1,328</td>
<td>$1,556</td>
<td>$(228)</td>
<td>$1,146</td>
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<tr>
<td>Transfers to UAA</td>
<td>46,674</td>
<td>44,146</td>
<td>$2,528</td>
<td>53,635</td>
</tr>
<tr>
<td>General &amp; Administrative</td>
<td>1,910</td>
<td>2,540</td>
<td>$(630)</td>
<td>2,615</td>
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<tr>
<td><strong>Total Expenses</strong></td>
<td>$49,912</td>
<td>$48,242</td>
<td>$1,670</td>
<td>$57,396</td>
</tr>
<tr>
<td><strong>Net Income</strong></td>
<td>$(676)</td>
<td>$(1,479)</td>
<td>$802</td>
<td>$(1,075)</td>
</tr>
</tbody>
</table>

**Total Sports Annual Giving Contributions - Five Year Trend**
### University of Florida Development Corporation

 Quarterly Financial Report  
 For the nine months ending 3/31/2023  
 (amounts expressed in thousands)

#### Assets and Liabilities

<table>
<thead>
<tr>
<th></th>
<th>Cash</th>
<th>Capital Assets</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Q3 FY2023 Actuals</strong></td>
<td>$2,839.00</td>
<td>$9,033.00</td>
</tr>
<tr>
<td><strong>Q3 FY2022 Actuals</strong></td>
<td>$2,586.00</td>
<td>$9,241.00</td>
</tr>
</tbody>
</table>

#### Revenues and Expenses

<table>
<thead>
<tr>
<th>Revenues and Expenses</th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rent</td>
<td>$1,744</td>
<td>$1,657</td>
<td>$87</td>
<td>$1,747</td>
<td>$(3)</td>
</tr>
<tr>
<td>Total Revenues</td>
<td>$1,744</td>
<td>$1,657</td>
<td>$87</td>
<td>$1,747</td>
<td>$(3)</td>
</tr>
<tr>
<td>Services and Supplies</td>
<td>$375</td>
<td>$348</td>
<td>$27</td>
<td>$210</td>
<td>$165 ($82)</td>
</tr>
<tr>
<td>Property Taxes</td>
<td>234</td>
<td>234</td>
<td>-</td>
<td>316</td>
<td>(82)</td>
</tr>
<tr>
<td>Depreciation</td>
<td>552</td>
<td>552</td>
<td>-</td>
<td>549</td>
<td>3</td>
</tr>
<tr>
<td>Other Expenses</td>
<td>578</td>
<td>633</td>
<td>(55)</td>
<td>441</td>
<td>137</td>
</tr>
<tr>
<td>Total Expenses</td>
<td>$1,739</td>
<td>$1,767</td>
<td>(28)</td>
<td>$1,516</td>
<td>$223</td>
</tr>
<tr>
<td>Net Income</td>
<td>$5</td>
<td>$(110)</td>
<td>$115</td>
<td>$231</td>
<td>$(226)</td>
</tr>
</tbody>
</table>

#### Rent Revenue - Five Year Trend

![Rent Revenue - Five Year Trend](chart)

<table>
<thead>
<tr>
<th>Year</th>
<th>Rent Revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q3 2019</td>
<td>$1,430.00</td>
</tr>
<tr>
<td>Q3 2020</td>
<td>$1,463.00</td>
</tr>
<tr>
<td>Q3 2021</td>
<td>$1,747.00</td>
</tr>
<tr>
<td>Q3 2022</td>
<td>$1,744.00</td>
</tr>
<tr>
<td>Q3 2023</td>
<td>$1,744.00</td>
</tr>
</tbody>
</table>
# Assets and Liabilities

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY2023 Actuals</th>
<th>Q3 FY2022 Actuals</th>
<th>Cash</th>
</tr>
</thead>
<tbody>
<tr>
<td>$3,000</td>
<td>$2,557</td>
<td>$1,802</td>
<td></td>
</tr>
<tr>
<td>$2,500</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>$2,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>$1,500</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>$1,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>$500</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>$-</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Cash

- Q3 FY2023 Actuals
- Q3 FY2022 Actuals

---

## Revenues and Expenses

<table>
<thead>
<tr>
<th></th>
<th>Q3 FY23</th>
<th>Q3 FY23 Budget</th>
<th>Actuals to Budget Variance</th>
<th>Q3 FY22</th>
<th>FY23 to FY22 Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revenues</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rent</td>
<td>$573</td>
<td>$533</td>
<td>$40</td>
<td>$555</td>
<td>$18</td>
</tr>
<tr>
<td>Other Revenues</td>
<td>$529</td>
<td>$103</td>
<td>$426</td>
<td>$250</td>
<td>$279</td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td>$1,102</td>
<td>$636</td>
<td>$466</td>
<td>$805</td>
<td>$297</td>
</tr>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Building Preservation</td>
<td>$24</td>
<td>$138</td>
<td>($114)</td>
<td>$297</td>
<td>($273)</td>
</tr>
<tr>
<td>General and Administrative Expense</td>
<td>$442</td>
<td>$549</td>
<td>$107</td>
<td>$321</td>
<td>$121</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td>$466</td>
<td>$687</td>
<td>($221)</td>
<td>$618</td>
<td>($152)</td>
</tr>
<tr>
<td><strong>Net Income</strong></td>
<td>$636</td>
<td>($51)</td>
<td>$687</td>
<td>$187</td>
<td>$449</td>
</tr>
</tbody>
</table>

---

### Revenue - Five Year Trend

- Q3 2019: $792
- Q3 2020: $842
- Q3 2021: $629
- Q3 2022: $805
- Q3 2023: $1,102
### Revenues and Expenses

**Q3 FY23**

<table>
<thead>
<tr>
<th>Category</th>
<th>Budget</th>
<th>Actuals to Budget Variance</th>
<th>Actuals</th>
<th>Variance</th>
<th>Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Earned Premiums</strong></td>
<td>$ 7,564</td>
<td>$ (8)</td>
<td>$ 7,002</td>
<td>$ 554</td>
<td></td>
</tr>
<tr>
<td><strong>Investment Income</strong></td>
<td>$ 8,715</td>
<td>$ (2,505)</td>
<td>$ (8,080)</td>
<td>14,290</td>
<td></td>
</tr>
<tr>
<td><strong>Other Revenues</strong></td>
<td>$ 1,145</td>
<td>$ 7</td>
<td>$ 1,111</td>
<td>41</td>
<td></td>
</tr>
<tr>
<td><strong>Total Revenues</strong></td>
<td>$ 17,424</td>
<td>$ (2,506)</td>
<td>$ 14,885</td>
<td>41</td>
<td></td>
</tr>
</tbody>
</table>

**Q3 FY22**

<table>
<thead>
<tr>
<th>Category</th>
<th>Budget</th>
<th>Actuals to Budget Variance</th>
<th>Actuals</th>
<th>Variance</th>
<th>Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Losses and Loss Adjustment Expenses</strong></td>
<td>$ 7,972</td>
<td>$ (5,288)</td>
<td>$ 395</td>
<td>2,289</td>
<td></td>
</tr>
<tr>
<td><strong>General and administrative expenses</strong></td>
<td>$ 1,180</td>
<td>$ (269)</td>
<td>$ 739</td>
<td>172</td>
<td></td>
</tr>
<tr>
<td><strong>Transfers to the University</strong></td>
<td>$ 3,570</td>
<td>$ (84)</td>
<td>$ 3,177</td>
<td>309</td>
<td></td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td>$ 12,722</td>
<td>$ (5,641)</td>
<td>$ 4,311</td>
<td>2,770</td>
<td></td>
</tr>
</tbody>
</table>

**Net Income**

<table>
<thead>
<tr>
<th>Q3 FY23</th>
<th>$ 4,702</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q3 FY22</td>
<td>$ 3,135</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FY23 to FY22 Variance</th>
<th>Q3 FY22</th>
<th>$ (4,276)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$ 12,115</td>
<td></td>
</tr>
</tbody>
</table>

**Earned Premiums Revenue - Five Year Trend**

- Q3 2019: $7,153
- Q3 2020: $8,001
- Q3 2021: $7,759
- Q3 2022: $7,002
- Q3 2023: $7,556

---

*University of Florida Self-Insurance Program & HealthCare Education Insurance Company*

*Quarterly Financial Report*

*For the nine months ending 3/31/2023 (amounts expressed in thousands)*
UF ENTERPRISE
FINANCIAL REPORT
Q3 FY2023

For more information about this report, contact:
Office of the Senior Vice President and Chief Financial Officer and Office of the Controller
Phone: (352) 392-1321
controller-office@ad.ufl.edu
Increased return & improved stability

LTP annual payout on UF Operating Investment

- June 2020: $20,000,000
- Today: $40,000,000 (67% larger)

Budget = Actual
Strategy Enhancements
Working Capital Liquidity

Improved liquidity & diversified holdings

Working capital available daily

- $300,000,000
- $250,000,000
- $200,000,000
- $150,000,000
- $100,000,000
- $50,000,000
- $-

June 2020

Today

Florida PRIME
No liquidity restrictions
&
Diversified source of liquidity

SPIA liquidity: Redemptions permitted up to $20 million daily, up to $75 million on 5 day notice, over $75 million dollars requires 20 days notice; however, as UF is not a 'state agency' redemptions greater than 60% of prior three month's average balance requires 180 day notice; Redemption limits reset monthly.
Strategy Enhancements
Investment Strategy

Barbell strategy better positioned to generate returns for UF
Strategy Enhancements
Summary

Improved Liquidity & Diversification
- Added Florida PRIME Money Market
- Further increasing U.S. Treasury allocation

Provided Financial Stability
- New Payout Policy removes intra-year volatility
- Longer-term focus enables increased LTP allocation

Increased Returns
- FY 2024 annual payout to UF targeted at $40+ million
- Targeting further opportunities to drive future returns
Asset Allocation
May 1 2023 estimated

<table>
<thead>
<tr>
<th>Working Capital</th>
<th>Estimated May 1 Allocation</th>
<th>Expected Transfers</th>
<th>Targets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida PRIME Money Market</td>
<td>300</td>
<td></td>
<td>300</td>
</tr>
<tr>
<td>Florida SPIA</td>
<td>1,000</td>
<td>-500</td>
<td>500</td>
</tr>
<tr>
<td>0-1 Yr. U.S. Treasury</td>
<td>100</td>
<td>400</td>
<td>500</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$2,835</strong></td>
<td></td>
<td><strong>$2,835</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Investments</th>
<th>Estimated May 1 Allocation</th>
<th>Expected Transfers</th>
<th>Targets</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-5 Yr. U.S. Treasury</td>
<td>550</td>
<td>-25</td>
<td>525</td>
</tr>
<tr>
<td>Long-Term Pool</td>
<td>800</td>
<td>125</td>
<td>925</td>
</tr>
<tr>
<td>Other</td>
<td>85</td>
<td>85</td>
<td>85</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$2,835</strong></td>
<td></td>
<td><strong>$2,835</strong></td>
</tr>
</tbody>
</table>

Significant progress since December 2022 review
## Working Capital Yield

**May 1 2023 estimated**

<table>
<thead>
<tr>
<th>Working Capital</th>
<th>Current Yield</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida Prime Money Market</td>
<td>5.1%</td>
</tr>
<tr>
<td>Florida SPIA</td>
<td>1.7%</td>
</tr>
<tr>
<td>0-1 Yr. U.S. Treasury</td>
<td>5.0%</td>
</tr>
<tr>
<td>Current Working Capital</td>
<td>2.7%</td>
</tr>
<tr>
<td>Working Capital @ Targets</td>
<td>3.5%</td>
</tr>
</tbody>
</table>

*SPIA payout is latest available (3/31/23)*

---

Current Yield of 2.7% vs. ~1.6% previously
**FY 2023 Preliminary Investment Performance**

**UF Operating Portfolio Update**

**Periods Ending March 31, 2023**

(annualized for periods greater than one year)

<table>
<thead>
<tr>
<th>Periods</th>
<th>Quarter</th>
<th>FYTD</th>
<th>1 Year</th>
<th>3 Years</th>
<th>5 Years</th>
<th>10 Years</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.6%</td>
<td>1.3%</td>
<td>-1.1%</td>
<td>-1.6%</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>UF</strong></td>
<td>2.9%</td>
<td>2.5%</td>
<td>2.6%</td>
<td>1.0%</td>
<td>2.4%</td>
<td>2.6%</td>
</tr>
<tr>
<td><strong>Policy</strong></td>
<td>4.0%</td>
<td>2.5%</td>
<td>1.5%</td>
<td>1.8%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


** Policy Benchmark: restated June 30, 2020. Blended using actual allocations. Operating cash benchmarked to 1 Month T-Bill, Core cash benchmarked to Short Treasury Index, Strategic cash benchmarked to 1-3 Year Treasury Index. Growth allocation benchmarked to LTP Investable Alternative Benchmark. Internal Loans and other portfolios are benchmarked to total pool return.
**Fiscal Year-to-Date 3/31/2022**

($000's)

- **Beginning NAV**: $2,592,802
- **Net Cash Flow from Operations**: $103,186
- **Investment Income**: $32,559
- **Closing NAV**: $2,728,547

*Note: The Recap is based on accounting values.*
UF Investment Policy Statement

- Updated UF Investment Policy Statement (IPS). Prior version dated June 2021
- Updated language to align with recent changes to Florida Statutes
- Effective July 1, 2023
UFF Endowment Portfolio Update
# UFF Endowment Portfolio Update

## Asset Allocation

**April 30, 2023 estimated**

<table>
<thead>
<tr>
<th>Sub Portfolios</th>
<th>Estimated Current Allocation</th>
<th>Broad Allocation Actual</th>
<th>Broad Allocation Targets</th>
<th>Sub Portfolio Ranges</th>
<th>Sub Portfolio Variances*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Growth Allocation</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public Equity</td>
<td>39.6%</td>
<td></td>
<td></td>
<td>40-45%</td>
<td>-2.9%</td>
</tr>
<tr>
<td>Private Growth</td>
<td>32.4%</td>
<td>80.8%</td>
<td>85.0%</td>
<td>35-40%</td>
<td>-5.1%</td>
</tr>
<tr>
<td>Mkt. Directional HFs</td>
<td>8.8%</td>
<td></td>
<td></td>
<td>5-10%</td>
<td>1.3%</td>
</tr>
<tr>
<td><strong>Diversifying Allocation</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diversifying HFs</td>
<td>10.5%</td>
<td>10.5%</td>
<td>7.5%</td>
<td>5-10%</td>
<td>3.0%</td>
</tr>
<tr>
<td><strong>Liquidity Allocation</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fixed Income</td>
<td>3.6%</td>
<td>8.7%</td>
<td>7.5%</td>
<td>6.5%</td>
<td>-2.9%</td>
</tr>
<tr>
<td>Cash &amp; U.S. Treasuries (&lt;1yr)</td>
<td>5.1%</td>
<td></td>
<td></td>
<td>1.0%</td>
<td>5.1%</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>100.0%</td>
<td>100.0%</td>
<td>100.0%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Variance measured to mid-point of expected range
FY 2023 Preliminary
Investment Performance*

Periods Ending March 31, 2023
(annualized for periods greater than one year)

* Preliminary performance. Includes 65% of NAV reported for 12/31/2022.
** Investable Alternative Benchmark: 7/1/04-6/30/22 - 60% MSCI ACWI / 40% Barclays Global Aggregate; As of 7/1/22 - 70% MSCI ACWI / 30% Barclays Global Aggregate.
Long-Term Performance
UFICO Inception to March 31, 2023

** Investable Alternative Benchmark: 7/1/04-6/30/22 - 60% MSCI ACWI / 40% Barclays Global Aggregate; As of 7/1/22 - 70% MSCI ACWI / 30% Barclays Global Aggregate.
Note: Based on endowment accounting returns.
Fiscal Year-to-Date 3/31/2022
($000's)

Beginning NAV: $2,278,592
Cash Inflows*: $53,477
Investment Income: $52,194
Cash Outflows: ($81,647)
Closing NAV: $2,302,616

* Note: The timing of cash inflows does not always correspond with the timing of endowment gifts. The Recap is based on accounting values.
COMMITTEE ON FACILITIES AND CAPITAL INVESTMENTS
MEETING AGENDA
Thursday, June 8, 2023
1:10 p.m.
President's Room 215B, Emerson Alumni Hall
University of Florida, Gainesville, FL

Committee Members:
David L. Brandon (Chair), Christopher T. Corr, Morteza “Mori” Hosseini, Daniel T. O’Keefe, Fred S. Ridley, Patrick O. Zalupski, Anita G. Zucker

1.0 Call to Order and Welcome ..........................................................David L. Brandon, Chair

2.0 Verification of Quorum .................................................................Vice President Liaison

3.0 Review and Approval of Minutes .................................................David L. Brandon, Chair
   March 16, 2023
   May 10, 2023

4.0 Action Items..................................................................................David L. Brandon, Chair
   FCI1 Construction Projects Budget Amendments .................................Curtis Reynolds, Vice President for Business Affairs
   FCI2 Parking Fee Restructure for FY24 ..................................................Curtis Reynolds
   FCI3 Center for Applied Artificial Intelligence..............................Scott Angle, Senior Vice President for Agriculture and Natural Resources
   FCI4 Fixed Capital Outlay Legislative Budget Request for FY25 ..........Curtis Reynolds
   FCI5 Facilities Spending Plan.................................................................Curtis Reynolds
   FCI6 Energy Agreement .............Colt Little, Associate Vice President for Enterprise Projects and Senior Counsel

5.0 Discussion Items.............................................................................David L. Brandon, Chair
   5.1 Housing Update..............................................................Carrie Bush, Chief of Staff for Chief Operating Office
   5.2 Campus Construction Update .........................................................Curtis Reynolds
   5.3 Campus Safety Update.......................................................Linda Stump-Kurnick, Chief of UF Police Department

6.0 New Business..................................................................................David L. Brandon, Chair

7.0 Adjourn.........................................................................................David L. Brandon, Chair
COMMITTEE ON FACILITIES AND CAPITAL INVESTMENTS
Meeting Minutes
March 16, 2023
President’s Room 215B, Emerson Alumni Hall
University of Florida, Gainesville, FL
Time Convened: 9:24 a.m.
Time Adjourned: 10:47 a.m.

Committee and Board members present:
David L. Brandon (Committee Chair), Richard P. Cole, Christopher T. Corr, Morteza “Mori” Hosseini (Board Chair), Lauren D. Lemasters, Daniel T. O’Keefe, Rahul Patel, Amanda J. Phalin, Marsha D. Powers, Patrick O. Zalupski and Anita G. Zucker.

Others present:
Ben Sasse, President; Joseph Glover, Provost and Senior Vice President for Academic Affairs; J. Scott Angle, Vice President for Agriculture and Natural Resources; Chris Cowen, Senior Vice President and Chief Financial Officer; Elias Eldayrie, Vice President and Chief Information Officer; Amy Hass, Vice President and General Counsel; Mark Kaplan, Vice President for Government and Community Relations and University Secretary; Jim Kelly, Interim Chief Executive Officer for UF Health Shands; Charlie Lane, Senior Vice President and Chief Operating Officer; Maria Gutierrez Martin, Interim Vice President for Advancement; Marsha McGriff, Chief Diversity Officer and Senior Advisor to the President; David Nelson, Senior Vice President for Health Affairs and President of UF Health; David Norton, Vice President for Research; Steve Orlando, Interim Vice President for Strategic Communications and Marketing; Mary Parker, Vice President for Enrollment Management and Associate Provost; Curtis Reynolds, Vice President for Business Affairs; Scott Stricklin, Director of Athletics; Heather White, Vice President for Student Life; members of the University of Florida community, and the public.

1.0 Call to Order and Welcome
Committee Chair David L. Brandon welcomed everyone in attendance and called the meeting to order at 9:24 a.m.

2.0 Verification of Quorum
Vice President Curtis Reynolds verified a quorum with all members present except Trustee Ridley who was unable to attend the meeting.

3.0 Review and Approval of Minutes
Committee Chair Brandon asked for a motion to approve the minutes of the December 8, 2022 FCI Committee meeting and February 14, 2023 Committee Pre-meeting, which was made by Trustee Corr, and a second, which was made by Trustee O’Keefe. Committee Chair Brandon
asked for further discussion, and then asked for all in favor of the motion and any opposed and the motion was approved unanimously.

4.0 Action Items
Committee Chair Brandon asked Maria Gutierrez Martin, Interim Vice President for Advancement to present the naming action items beginning with action item FCI1 as follows:

FCI1 Naming: The David A. Cofrin, M.D. and Mary Ann Harn Cofrin Terrace
Maria Gutierrez Martin, Interim Vice President for Advancement gave a brief overview of the proposed naming and bio of the donor. Miss Martin stated the proposed naming met all requirements and was in alignment with the UF Namings & Memorials Policy. Miss Martin noted that the naming would commence upon receipt of 20% and the realized estate monies have been received. Miss Martin stated that internal due diligence had been completed and the naming had been reviewed by the Foundation Namings & Memorials Advisory Council, approved by the Chief Advancement Officer of UF Health, the Senior Vice President of UF Health, the UFF Executive Vice President and the UF President.

Committee Chair Brandon asked for a motion to approve Action Item FCI1 which was made by Trustee Zucker, and a second, which was made by Trustee O’Keefe for recommendation to the Board for its approval as a Non-Consent Agenda action as required by Board of Governors regulations for facility, road and landscape naming. Committee Chair Brandon asked for further discussion, and then asked for all in favor of the motion and any opposed, and the motion was approved.

FCI2 Naming: Bud Shorstein Center for Jewish Studies
Maria Gutierrez Martin, Interim Vice President for Advancement gave a brief overview of the proposed naming and bio of the donor. Miss Martin stated the proposed naming met all requirements and was in alignment with the UF Namings & Memorials Policy. Miss Martin noted that the naming would commence upon receipt of 20% and the realized estate monies have been received. Miss Martin stated that internal due diligence had been completed and the naming had been reviewed by the Foundation Namings & Memorials Advisory Council, approved by the Chief Advancement Officer of UF Health, the Senior Vice President of UF Health, the UFF Executive Vice President and the former UF President.

Committee Chair Brandon asked for a motion to approve Action Item FCI2 which was made by Trustee Zucker, and a second, which was made by Trustee Hosseini for recommendation to the Board for its approval as a Non-Consent Agenda action as required by Board of Governors regulations for facility, road and landscape naming. Committee Chair Brandon asked for further discussion, and then asked for all in favor of the motion and any opposed, and the motion was approved.

FCI3 Construction Projects Budget Amendments
Committee Chair Brandon asked Vice President Reynolds to present FCI3 as follows:

Vice President Reynolds indicated there were three project budget changes for this action item.
- UF-200–Public Safety Building (Police Department) & Centrex Building Renovation for $587,853; reflecting unrestricted funds for alternate fabrication of HAVC fans due to supplier shortages.
- UF-606-Whitney Laboratory for Marine Bioscience for $8,000,000; reflecting potential state appropriations as directed by of Board Chair Hosseini during the Facilities and Capital Investments premeeting on February 14, 2023.
- UF-653-Architecture Building Renovation/Remodeling and DCP Collaboratory Addition for $1,263,000; reflecting donor funds.

Committee Chair Brandon asked if there were questions. Board Chair Hosseini questioned the increase for the University Public Safety Building. Vice President Reynolds stated the increase was needed due to supplier delay for the air handlers. Vice President Reynolds noted staff worked with engineers to fabricate the motors for the air handlers to keep the project moving forward. Board Chair Hosseini asked if the university will receive credit from the general contractor and the supplier. Vice President Reynolds indicated we would seek credits. Board Chair Hosseini also noted that the additional $8 million for Whitney Laboratory was subject to UF receiving the funds from the State.

Committee Chair Brandon asked for a motion to approve Action Item FCI3 which was made by Trustee Hosseini, and a second, which was made by Trustee O’Keefe for recommendation to the Board for its approval on the Consent. Committee Chair Brandon asked for further discussion, and then asked for all in favor of the motion and any opposed, and the motion was approved unanimously.

5.0 Discussion Items
5.1 Campus Construction Update
Vice President Reynolds introduced the Campus Construction Update with a video presentation highlighting the following projects: Student Health Center, Public Safety Building, Honors Village, Malachowsky Hall for Data Science & Information Technology and Baby Gator. Vice President Reynolds gave updates on the Student Health Center project, Inner Road project, minor capital projects and maintenance related projects. Vice President Reynolds noted that UF had received encumbrance authority for the $148 million appropriation for deferred maintenance.

Committee Chair Brandon gave a brief report indicating the number of UF graduates working on projects on campus:
- Graduates from BCN/DCP: 156
- Graduates from other colleges, engineering, etc.: 300
- Total UF graduates working on UF projects: 456

Committee Chair Brandon asked if there were any questions. Trustee Phalin asked if there was update on the water damage in the library. Vice President Reynolds stated the university had filed the appropriate insurance claim and his staff was working with the Chief Financial Officer’s staff on making the repairs. Vice President also noted Libraries Dean Judith Russell was aware of the process and staff managed to minimize the water damage to collections.
Board Chair Hosseini thanked Committee Chair Brandon, Senior Vice President Lane and Vice President Reynolds for their efforts during the last year. Board Chair Hosseini requested that Committee Chair Brandon work with Vice President Reynolds and his staff to address any pending construction audit findings and appropriate support to Planning, Design and Construction. He added they should work with Chief Audit Executive Dhanesh Raniga to respond to any of the questions as well as checking with SVP Cowen on questions related to funding. Committee Chair Brandon agreed and said they will provide an update at the June meeting. Vice President Reynolds concluded the construction report and Committee Chair Brandon ask for a motion to accept the Construction Report as presented, which was made by Trustee Hosseini, and seconded by Trustee Zucker.

5.2 Campus District Energy Efficiency Contracts
Committee Chair Brandon gave a brief overview of an Energy Service Contract (ESCO), the process and how cost savings were taking care of deferred maintenance in various campus buildings. Vice President Reynolds introduced Mark Helms, Assistant Vice President, Facilities Services who give an update on the Campus District Energy Efficiency Contracts. Assistant Vice President Helms highlighted the Holland Law Project, the Health Science District (which includes the Dental Tower) feasibility study and Cancer Genetics District feasibility study.

Board Chair Hosseini asked if it was possible to repair all issues within the Dental Building related to asbestos. Mr. Helms outlined the current focus of the ESCO project for the Dental Building and confirmed any asbestos related materials identified would be inclusive to the project. Board Chair Hosseini asked if staff could report back with the total cost for removal of all asbestos related materials from the Dental Building. Vice President Reynolds noted that staff would survey the building to report finding and potential cost estimates on or before the June BOT meeting. Committee Chair Brandon also noted that the ESCO would address a number of deferred issues within the Dental Building. Board Chair Hosseini asked staff to work as quickly as they could to get a cost estimate for removal of all asbestos materials in the Dental Building as we are keeping the building and it needs to be repaired.

A discussion ensued regarding the ESCO model’s Return on Investment. Board Chair Hosseini asked AVP Helms the ROI. AVP Helms responded there is approximately $60 million in savings across these four projects. Board Chair Hosseini asked Senior Vice President Chris Cowen, Chief Financial Officer to show the return on investment to Board of Governors’ (BOG) staff. SVP Cowen noted that Treasurer Alan West was working with BOG staff and that the experience has been positive. Board Chair Hosseini asked SVP Cowen if the ESCO project was a good investment for the university. SVP Cowen stated the ESCO project was a good investment for the university. Board Chair Hosseini asked for a complete list of university deferred maintenance projects as they are seeking funding from the State that shows and if money is received, we should show where it is used. Vice President Reynolds indicated he would provide a deferred maintenance list.

5.3 Parking Fee Restructure for FY 2023-24 and 2024-25
Vice President Reynolds introduced Eddie Daniels, Assistant Vice President for Business Services to give an overview of the parking fee restructure. Mr. Daniels explained the parking fee
Restructure was needed due to revenue shortfalls exceeding $1 million. Mr. Daniels anticipates the downward trend in revenues will continue and impact Transportation and Parking Services (TAPS) ability to meet bond requirements. A discussion ensued regarding the reasonings why parking revenues had decreased. Mr. Daniels noted that the parking fee restructure request will be brought to the Board in June. He noted he would work with university leadership and provide information to the Board, students, faculty, and staff prior to the restructure action item request. Committee Chair Brandon noted there were other operational cost impacting TAPS expenses not funded. Trustee Lemasters asked if there were fewer student parking permits. Scott Fox, Director of Transportation and Parking Services stated that student parking permits had rebounded better than faculty and staff. Committee Chair Brandon added they were also looking at an RTS route that is currently being offered at no cost.

5.4 Campus Safety Update
Dr. Charlie Lane, Senior Vice President and Chief Operating Officer gave a PowerPoint presentation outlining campus security progress. Senior Vice President Lane highlighted funding for cameras, access control and lighting upgrades. Senior Vice President Lane noted in-progress security enhancements that included mechanical locks for classrooms, Phase 3 installation of license plate readers and continued improvements to LED lighting and camera/access control. SVP Lane noted that other security measures included active threat trainings, license plate readers installed in UPD vehicles, establishment of a mental health co-responders program and the addition of a Behavioral Consultant Team coordinator position. SVP Lane noted that physical security construction standards had been established for UF construction and renovations to enable consistent expectations for building security.

Senior Vice President Lane presented data related to pedestrian and traffic safety highlighting four main throughways that surround the university. SVP Lane noted City/FDOT/UF accomplishments, UF license plate reader coverage, City/FDOT/UF projects underway, and university avenue improvements. Senior Vice President Charlie Lane then explained the benefits of complete streets highlighting increased mobility and safety. SVP Lane gave an overview of longer-term priorities which included City of Gainesville and Florida Department of Transportation (FDOT) collaboration and the creation of an 86-acre auto-free zone and enhanced infrastructure on campus. SVP Lane thanked Police Chief Linda Stump-Kurnick and the University Police Department for their efforts and support. Trustee Phalin added Chief Stump-Kurnick would be speaking to the Faculty Senate later in the month and recording of her update would be available. Trustee Corr added that parent stakeholders are watching this closely. He has personally heard from Maggie Paxton’s family. Stakeholders have shared with him they appreciate the progress being made. Trustee Corr then questioned if anyone is thinking about bigger picture ideas for university avenue in addition to the safety measures implemented. SVP Lane said they continue to work on strategies for safety. They feel some new things implemented, like flashing lights crosswalks, will make a significant difference.

Board Chair Hosseini noted that staff had come along way regarding campus security. Board Chair Hosseini asked staff for the completion date for the Public Safety Building and the move in date. Vice President Reynolds stated the building would be completed by early June 2023. Board Chair Hosseini asked for them to move in as quickly as possible. He also requested a report from Police
Chief Linda Stump-Kurnick on the number of incidents year by year for the last five years be presented at the June meeting.

Trustee O’Keefe thanked Board Chair Hosseini, Senior Vice President Lane, and Vice President Reynolds for their continue efforts and support regarding campus safety/security. Trustee Cole asked for an update of the LED lights, how much longer until the whole campus is updated. Committee Chair Brandon said that information will be presented at the June meeting.

6.0 New Business
Committee Chair Brandon reminded the board of the Facilities and Capital Investments Committee’s charge to evaluate efficiencies of consolidation between Business Affairs and Housing and anticipate a findings report at the June BOT meeting. Committee Chair Brandon thanked Vice President Heather White, Vice President Reynolds and Senior Vice President Lane for being on the team.

7.0 Adjourn
There being no further discussion, Committee Chair Brandon adjourned the meeting at 10:47 a.m.
COMMITTEE ON FACILITIES AND CAPITAL INVESTMENTS
Pre-Meeting Minutes
Virtual Meeting
May 10, 2023
Time Convened: 10:08 a.m.
Time Adjourned: 11:21 a.m.

Committee and Board members present:
David L. Brandon (Committee Chair), Richard P. Cole, Olivia E. Green, James W. Heavener, Morteza “Mori” Hosseini (Board Chair), Daniel T. O’Keefe, Rahul Patel (Board Vice Chair), Amanda J. Phalin, Marsha D. Powers, Fred S. Ridley, Patrick O. Zalupski, and Anita G. Zucker.

Others present:
Ben Sasse, President; Chris Cowen, Senior Vice President and Chief Financial Officer; Melissa Curry, Interim Vice President for Human Resources; Elias Eldayrie, Vice President and Chief Information Officer; Joe Glover, Provost; Amy Hass, Vice President and General Counsel; Mark Kaplan, Vice President for Government and Community Relations and University Secretary; Maria Gutierrez Martin, Interim Vice President for Advancement; Steve Orlando, Interim Vice President for Strategic Communications and Marketing; Mary Parker, Vice President for Enrollment Management and Associate Provost; Curtis Reynolds, Vice President for Business Affairs; Heather White, Vice President for Student Life; Carrie Bush, Chief of Staff Office of the Chief Operating Officer; Eddie Daniels, Assistant Vice President for Business Services; Colt Little, Associate Vice President for Enterprise Projects and Senior Counsel; Linda Stump-Kurnick, Chief of University Police; members of the University of Florida community, and the public.

1.0 Call to Order and Welcome
Committee Chair David L. Brandon welcomed everyone in attendance and called the meeting to order at 10:08 a.m.

2.0 Roll Call
Vice President Curtis Reynolds conducted a roll call of all Committee and Board members present except Trustee Christopher Corr who had an unavoidable conflict.

3.0 Review Draft Agenda for June Meeting
3.1 Review Draft Minutes
Committee Chair Brandon noted the draft minutes from the March 16, 2023 FCI Committee Meeting were available for review prior to the vote at the June Meeting.
3.2 Review Action Items

FCI1 Construction Budget Amendments
Vice President Reynolds provided an overview of the budget amendment for project UF-632 The Data Science and Technology Building. The ratified budget amount for consideration is $152,996,319. Committee Chair Brandon commented there may need to be a new process in place for change orders. Chair Hosseini indicated his frustration that the University cannot continuously come back to change the approved budget. He directed Committee Chair Brandon’s committee to coordinate with the Governance, Government Relations, and Internal Affairs to review the process. Committee Chair Brandon asked if the provost should get involved in the process as he oversees the college budgets. Provost Glover said he has zero oversight of projects, and his office is not a part of the process currently. He indicated he would be happy to become part of the process if it would be beneficial. VP Reynolds noted the costs are related to equipment and other items purchased at the department level. Trustee Phalin noted perhaps the Dean of the College of Business Saby Mitra may be able to assist with creating a process.

FCI2 Parking Fee Restructure for FY24 and FY25
Vice President Reynolds reviewed a proposed parking permit fee restructure for fiscal year 2023-2024. There has been no revenue increase for students to support Transportation and Parking operations in eight years, despite rising annual operating expenses. VP Reynolds noted the restructuring is related to student permits at this time. Faculty and staff permit pricing will be reevaluated in FY 2024-2025. The current action requests an increase to the base price for student permits from $160 to $180 and to implement a 3-tiered pricing structure for FY 2023-2024. This new 3-tiered structure will provide students with more options. Included in the 3-tiers is Red 3 (Tier 3) which allows students a permit for $60 in Garage 9 rooftop only for those who use their vehicles less frequently. Committee Chair Brandon noted Garage 9 is located off Archer Road and is safe, well-lit, and pedestrian friendly. Chief Linda Stump-Kurnick confirmed it is pedestrian friendly but will check to ensure the appropriate blue lighting on that path is sufficient. Assistant Vice President for Business Services Eddie Daniels will ensure a safe transportation solution for the students in the remote parking area.

FCI3 Fixed Capital Outlay Legislative Budget Request for FY25
Vice President Reynolds gave an overview of the Fixed Capital Outlay Legislative Budget Request for FY24-25. The request includes five-year Capital Improvement Plan PECO Eligible Project Requests, CITF Projects, and Non-State Supplemental Funding. He noted the UF Student Experience Center, New Disability Resource Center, the Hamilton Center, and Dental Science Building, among other projects. VP Reynolds noted they are working on the support documentation and will populate the appropriate documents and share them with the committee before the June meeting. Board Chair Hosseini asked VP Reynolds and Vice President for Government and Community Relations Mark Kaplan to work together on the information immediately. VPs Reynolds and Kaplan agreed. Board Chair Hosseini stated information should be shared with him and the president to review first and then they will provide recommendations to the Board for approval before the information is sent to the Board of Governors.
Facilities Spending Plan
Before reviewing the action item, Committee Chair Brandon thanked the Board Chair for his diligence advocating for the University with legislature. VP Reynolds shared the list of projects, PECO and CITF, the legislature appropriated for the 2023 legislative session. Board Chair Hosseini asked VP Reynolds to do a total write-up for the president on all projects specifically the Dental Science Building. The write-up should include the total cost to fix the building, replace the building, and any other relevant details. The Board Chair and president will review the information. The president will provide his recommendation regarding the building to the Board. Committee Chair Brandon added this was an unprecedented year of funding for the University, noting we all must execute on a high level with the funds provided. Board Chair Hosseini added we do a good job but can always do better. We want to create a culture of excellence and with the help of the president, we will get there. He noted a big difference in action within the last five to six years getting things done. He added Chief Stump-Kurnick is presenting to the Board in June. The Board wants to make sure UF police have every resource they need to keep all safe.

Energy Agreement
Associate Vice President for Enterprise Projects and Senior Counsel Colt Little provided an overview of the action item related to the University and Duke Energy Florida’s proposal to extend the term of the existing agreement for the provision of steam versus a new facility. This medium-term horizon is the most beneficial to the University. The University pursued a public-private partnership (P3) as a means of securing an alternative source of campus steam and conducted a competitive solicitation process seeking proposals from qualified developers. Due to several factors, the option of a public-private partnership became considerably more expensive than anticipated. Board Chair Hosseini added the consultant was unable to deliver on the initial numbers proposed. AVP Little added with construction costs, the university utility rate would have increased 100%.

The agreement extension will be for 15 years with one, and possibly two, University options to extend by an additional 7 years each. Duke will install, own, operate and maintain new back-up boilers. UF will continue to be a retail customer, but at a transmission-level tariff rate, which is a significant discount off the prior rate, and steam at a price fixed by the existing formula, including the existing annual $1M discount. Duke is also providing $100,000 to update the existing site footprint. AVP Little added this is not a long-term solution but financially in the best interest of the University. They are working on the term sheet now and hope to have completed to bring to the Board in June. If not, they will ask the president for delegation authority to execute the term sheet when complete. Committee Chair Brandon thanked AVP Little for all his work on this agreement.

Discussion Items
Housing Update
Committee Chair Brandon reminded the committee this update is provided in response to the Board Chair’s request to look at efficiencies that can be made in the housing space. He introduced the Chief Operating Officer’s Office Chief of Staff Carrie Bush, who has been assisting in coordinating between Business Affairs and Student Life, to provide an update. Dr. Bush shared there are seven work streams related to this request. A presentation will be provided at the June
meeting. She noted this has been a collaborative effort across 9 different divisions. Board Chair Hosseini asked if the presentation would include the financial savings for each of the recommendations. Dr. Bush confirmed it will, but noted some areas have no immediate cost savings. Board Chair Hosseini noted Vice Presidents Reynolds and White both need to agree on the recommendations. The Board will expect to hear from both in June. If there are items they do not agree on, the information will be presented to the president to make decisions. The president should then come to the Board in the next business meeting with his recommendations for the trustees. Board Chair Hosseini asked if both Vice Presidents agreed, and they confirmed they did.

**Campus Construction Update**

Vice President Reynolds shared he would be providing his regular campus construction update in June. He noted several projects will be coming off the list. He shared that the board chair and president toured several facilities earlier in the week. Committee Chair Brandon invited all trustees to tour facilities when they are on campus. Board Chair Hosseini added his appreciation to Committee Chair Brandon for all his hard work and dedication to the committee noting his recommendation for the Honors Village to complete two buildings and move in as many students as possible by August 5 was the right decision. With so many delays on the contractor’s side, this was the best option. Board Chair Hosseini also added the Board dinner will be held at the Data Science and Information Technology Building in June.

**Campus Safety Update**

Committee Chair Brandon noted Chief Linda Stump-Kurnick will be providing a campus safety update at the June meeting. VP Reynolds noted this request came to the committee at the last meeting. Chief Stump-Kurnick will primarily focus on a crime statistics data update that includes comparable information with other entities such as GPD and ASO, peers in the SUS, and other top institutions. Board Chair Hosseini also requested UNC, UVA, and Michigan be included in the comparison.

**4.0 New Business**

There was no new business to come before the committee. Committee Chair Brandon asked President Sasse if he had any comments. Dr. Sasse expressed his thanks to the Committee Chair for his hard work and he agreed with Board Chair Hosseini there is more to do.

Board Chair Hosseini expressed his thanks to Committee Chair Brandon and the UF team. He added last year was the worst for the supply chain in the industry he has seen. It is important we still hold contractors accountable. We need to have buildings finished timely. He noted there is an issue to resolve with moving into facilities immediately after construction ends. Colleges and building users should have furniture and equipment ready to move into a facility the day after it is complete. He doesn’t want to see last-minute requests for the construction budgets to come to the Board for approval because the University does not have any extra funds. Committee Chair Brandon agreed and noted he does think this needs to be discussed further and a policy change should be considered. Board Chair Hosseini added a point of clarification that all new building requires 2% to be set aside for maintenance before the project can begin. Board Chair
Hosseini added we need to become more efficient and fiscally responsible. President Sasse agreed.

5.0 Adjourn
There being no further discussion, Committee Chair Brandon adjourned the meeting at 11:21 a.m.
COMMITTEE ON FACILITIES AND CAPITAL INVESTMENTS
ACTION ITEM FCI1
June 8, 2023

SUBJECT: Construction Projects Budget Amendments

BACKGROUND INFORMATION
The Construction Projects Report has been developed to provide the Trustees with a quarterly update of university-wide construction activity, highlight specific or high-profile projects, and present requests for changes to approved project budget thresholds.

PROPOSED COMMITTEE ACTION
The Committee on Facilities and Capital Investments is being asked to approve the current Construction Projects Report, along with request for budget amendment to the respective projects as noted below:

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>Current Approved Budget</th>
<th>Amendment Request</th>
<th>Source of Funds</th>
<th>Ratified Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>UF-632</td>
<td>Data Science and Information Technology Building</td>
<td>$150,504,692</td>
<td>$2,601,627</td>
<td>UF Research, Facilities Services, Utility Funds, Business Services, Unrestricted Funds and Departmental</td>
<td>$153,106,319</td>
</tr>
</tbody>
</table>

ADDITIONAL COMMITTEE CONSIDERATIONS
None.

Supporting Documentation Included: Construction Projects Report

Submitted by: Curtis A. Reynolds, Vice President Business Affairs

Approved by the University of Florida Board of Trustees, June 8, 2023

Morteza “Mori” Hosseini, Chair
Ben Sasse, President and Corporate Secretary
### University of Florida Board of Trustees
Major Capital Construction Projects - Update

Meeting Date: June 08, 2023
Report Date: May 26, 2023

<table>
<thead>
<tr>
<th>Project Phase</th>
<th>Project Number</th>
<th>Project Title</th>
<th>Program Planning Budget</th>
<th>Ratified Budget</th>
<th>Requested Budget Amendment</th>
<th>Requested Budget Amendment Funding Source</th>
<th>Net Changes To Date</th>
<th>Requires BOG/FCO Amendment (Y)</th>
<th>Final Project Cost</th>
<th>Planned Completion</th>
<th>Status/Comments:</th>
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<tbody>
<tr>
<td>Construction</td>
<td>UF-21B</td>
<td>Central Utilities Infrastructure (Package 1)</td>
<td>$50,000,000</td>
<td>$50,550,048</td>
<td>$6,550,048</td>
<td>10,504,048</td>
<td>$36,599,048</td>
<td>June-2023</td>
<td>Construction 99% Complete.</td>
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<td>Construction</td>
<td>UF-342</td>
<td>Arts, Science and Information Technology Building</td>
<td>$135,000,000</td>
<td>$150,504,092</td>
<td>$23,504,092</td>
<td>16,504,092</td>
<td>N</td>
<td>July-August 2023</td>
<td>Construction 99% Complete.</td>
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<td>Construction</td>
<td>UF-344</td>
<td>Arts Road Revitalizing &amp; Landscape Improvements</td>
<td>$7,650,000</td>
<td>$7,050,000</td>
<td>$-</td>
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<td>7,050,000</td>
<td>August-2024</td>
<td>Construction has started.</td>
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<tr>
<td>Construction</td>
<td>UF-444A</td>
<td>Arts Road Residence Improvements</td>
<td>$14,000,000</td>
<td>$14,000,000</td>
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<td></td>
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<td>December-2024</td>
<td>Construction has started.</td>
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<td>Construction</td>
<td>UF-444D-2</td>
<td>Arts and Electrical- Hall to Newman (Phase 2)</td>
<td>$15,000,000</td>
<td>$15,000,000</td>
<td>$-</td>
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<td>December-2024</td>
<td>Construction has started.</td>
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<tr>
<td>Construction</td>
<td>UF-654</td>
<td>Rosen College Residential Facilities</td>
<td>$220,000,000</td>
<td>$220,000,000</td>
<td>$-</td>
<td></td>
<td></td>
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<td>August 1, 2023</td>
<td>Construction 85% Complete.</td>
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<td>Construction</td>
<td>UF-658</td>
<td>Bridge Club Housing Renovations</td>
<td>$7,000,000</td>
<td>$5,000,000</td>
<td>$-</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Construction 99% Complete. Project budget through $200,000 TBD</td>
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<tr>
<td>Construction</td>
<td>UF-679</td>
<td>Ronald McDonald House Renovation &amp; Expansion</td>
<td>$8,000,000</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Planet I renovation under construction. Phase II renovation to start after fundraising completion.</td>
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<tr>
<td>Construction Total (8 Projects)</td>
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<td></td>
<td>$450,213,000</td>
<td>$470,076,740</td>
<td>$2,863,740</td>
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<td>$480,078,367</td>
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<th>Project Phase</th>
<th>Project Number</th>
<th>Project Title</th>
<th>Program Planning Budget</th>
<th>Ratified Budget</th>
<th>Requested Budget Amendment</th>
<th>Requested Budget Amendment Funding Source</th>
<th>Net Changes To Date</th>
<th>Requires BOG/FCO Amendment (Y)</th>
<th>Final Project Cost</th>
<th>Planned Completion</th>
<th>Status/Comments:</th>
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<tbody>
<tr>
<td>Design</td>
<td>UF-336</td>
<td>Manley Laboratory for Marine Bioscience</td>
<td>$20,300,000</td>
<td>$39,200,000</td>
<td>$18,900,000</td>
<td>10,100,000</td>
<td>$39,200,000</td>
<td>October-2024</td>
<td>Project CRP construction began June 2023.</td>
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<td>Design</td>
<td>UF-337</td>
<td>Architecture Building Renovations/Remodeling and Sci Tech Collaboratory Addition</td>
<td>$40,000,000</td>
<td>$40,263,600</td>
<td>$2,263,600</td>
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<td>$40,263,600</td>
<td>April-2023</td>
<td>Construction documents have progressed.</td>
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<td>Design</td>
<td>UF-341</td>
<td>Fine Museum American Art Wing</td>
<td>$20,000,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>On hold. Donor fundraising underway.</td>
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<tr>
<td>Design</td>
<td>UF-465</td>
<td>Holland Law DCU: Heating Hot Water Conversion</td>
<td>$35,000,000</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<td>Construction to begin June 23.</td>
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<tr>
<td>Design</td>
<td>UF-487</td>
<td>Howard Dining Facility</td>
<td>$28,000,000</td>
<td></td>
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<td></td>
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<td>$28,000,000</td>
<td>August-2024</td>
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<td>Design</td>
<td>UF-531</td>
<td>Communications Power and Data Center Renovation</td>
<td>$10,000,000</td>
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<td>$10,000,000</td>
<td>TBD</td>
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<tr>
<td>Design</td>
<td>UF-534</td>
<td>Multi renovation for GISI</td>
<td>$10,000,000</td>
<td></td>
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<td></td>
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<td>$10,000,000</td>
<td>TBD</td>
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<td>Design</td>
<td>UF-535</td>
<td>Black Hall &amp; Materials Engineering Renovation</td>
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<td></td>
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<td></td>
<td></td>
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<td>$5,500,000</td>
<td>TBD</td>
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<td>Design</td>
<td>UF-598</td>
<td>Center for Applied Artificial Intelligence - Huts</td>
<td>$25,000,000</td>
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<td>$25,000,000</td>
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<td>Design</td>
<td>UF-1112</td>
<td>Basic Science Third Floor Renovation</td>
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<td>$10,000,000</td>
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<tbody>
<tr>
<td>Planning</td>
<td>UAA-62</td>
<td>Ben Hill Griffin Student Facility Upgrades</td>
<td>$300,000,000</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Program and budget confirmation is underway.</td>
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Chronology of Project Budget Amendments

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<tr>
<th>Amendment Approval Date</th>
<th>Prior BOT Approved Budget</th>
<th>Requested Budget Amendment Funding Source</th>
<th>BOT Approved Budget Amendment</th>
<th>Revised Project Budget</th>
<th>Requires ROECOY Amendment (Y)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction UF-118 Data Science and Information Technology Building</td>
<td>June 8, 2022</td>
<td>UF Research, Facilities Services Utility Funds, Business Services, Unrestricted Funds and Departmental</td>
<td>$2,601,827</td>
<td>$2,601,827</td>
<td>N</td>
<td>Additional $2,601,827 from UF Research, Facilities Services Utility Funds.</td>
</tr>
<tr>
<td>Construction UF-240 University Public Safety Building (Police Department) &amp; Centers Building Renovation</td>
<td>March 16, 2023</td>
<td>Unrestricted</td>
<td>$587,853</td>
<td>$587,853</td>
<td>N</td>
<td>Additional $587,853 to utilize alternate Q-Pac Fan in lieu of Carrier system which is still not in production in effort to complete this project in May 2023.</td>
</tr>
<tr>
<td>Construction UF-306 Whitney Laboratory for Marine Bioscience</td>
<td>March 16, 2023</td>
<td>State Appropriation</td>
<td>$1,184,000</td>
<td>$1,184,000</td>
<td>N</td>
<td>Additional $1,184,000 in the adjustment to account for construction cost escalation to match the program for the Whitney Lab. Additional funding has been requested as a CIP State Appropriation.</td>
</tr>
<tr>
<td>Design UF-631 Architecture Building Renovation/Remodeling and IRP Collaboration Addition</td>
<td>March 16, 2023</td>
<td>Donor</td>
<td>$1,263,000</td>
<td>$1,263,000</td>
<td>N</td>
<td>Additional $1,263,000 to the adjustment to account for construction cost escalation to match the program for the Architecture Building and DCP Collaboration Addition.</td>
</tr>
<tr>
<td>Construction UF-632 Data Science and Information Technology Building</td>
<td>December 8, 2022</td>
<td>Donor: Business Services &amp; Accrued Interest on account</td>
<td>$504,002</td>
<td>$504,002</td>
<td>N</td>
<td>Additional $460,000 donated by Chris Malachowsky for Solar panel system to achieve LEED Platinum certification, $20,000 received from UF Business Services to repay for design services of Cafe and $19,691.66 added from accrued interest on account principal.</td>
</tr>
<tr>
<td>Construction</td>
<td>Project Description</td>
<td>Fiscal Year</td>
<td>Original Budget</td>
<td>Additional Costs</td>
<td>New Total</td>
<td>N or Y comments</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------------------------------------</td>
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<td>------------------</td>
<td>----------</td>
<td>--------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>UF-200</td>
<td>University Public Safety Building (Police Department) &amp;</td>
<td>June 16, 2022</td>
<td>$26,250,765</td>
<td>$750,000</td>
<td>$30,000,765</td>
<td>N Additional $750,000 from unrestricted funds to assure budget shortfall due to the cost escalation for technology, telecommunications and security systems.</td>
</tr>
<tr>
<td>UF-638</td>
<td>Student Health Care Center Phase 2 (Infirmary)</td>
<td>June 16, 2022</td>
<td>$20,000,000</td>
<td>$62,284</td>
<td>$20,662,284</td>
<td>N Additional $62,284 was provided by the department for User group requested changes to the scope of the project including additional floor boxes, changes to planter wall, adding interior sliding windows, etc.</td>
</tr>
<tr>
<td>UF-606</td>
<td>Whitney Laboratory for Marine Bioscience</td>
<td>June 16, 2022</td>
<td>$28,500,000</td>
<td>$2,700,000</td>
<td>$31,200,000</td>
<td>N The additional $2,700,000 is to account for adjustments in the net to gross square footage and construction cost escalation to meet the original program for the Whitney Lab. This additional funding provided by private donor</td>
</tr>
<tr>
<td>UF-623B</td>
<td>Thermal Utilities Infrastructure (Museum Rd)</td>
<td>April 21, 2022</td>
<td>$53,429,048</td>
<td>$2,930,000</td>
<td>$56,359,048</td>
<td>N Facilities Services is providing $2,900,000 for the added scope of domestic water pipe replacement, additional Conservation Administration services and change orders from the contractor and additional unforeseen conditions after 50% construction. Business Affairs is adding $30,000 in Carry Forward funding for on-campus digital signage to help with traffic and pedestrian flow related to active construction.</td>
</tr>
<tr>
<td>UF-623B</td>
<td>Thermal Utilities Infrastructure (Museum Rd)</td>
<td>December 2, 2021</td>
<td>$20,000,000</td>
<td>$2,210,765</td>
<td>$22,210,765</td>
<td>N The project incurred market pricing increases on all major building materials including, but not limited to steel and concrete (Due to the “hardened” nature of the facility, including the bulk of the building’s robust structure and skin), metal studs, plumbing and fire protection piping, mechanical units and ductwork, and electrical conduit. Further, increased fuel prices increased virtually all materials cost starting from mining of the raw materials, to production of products, to final delivery to jobsite. The User Group recognized the increased financial demands upon the project and infused additional funding to assure its viability.</td>
</tr>
<tr>
<td>UF-623B</td>
<td>Thermal Utilities Infrastructure (Museum Rd)</td>
<td>December 2, 2021</td>
<td>$51,394,812</td>
<td>$2,034,236</td>
<td>$53,429,048</td>
<td>N Legacy underground utilities maps incorrectly captured the entirety of existing underground conditions, and considerable abandoned and/or undocumented utilities have required removal or relocation for installation of new piping, manholes, and other systems. Also, several major isolation valves required replacement due to inability to withstand system-wide pressure intensities. The project also incurred some material price increases during this interval.</td>
</tr>
<tr>
<td>UF-623B</td>
<td>Thermal Utilities Infrastructure (Museum Rd)</td>
<td>June 10, 2021</td>
<td>$50,000,000</td>
<td>$1,394,812</td>
<td>$51,394,812</td>
<td>N The original planning/programming budget for the project is $50,000,000. The project was ‘Hard Bid’ and requires budget increase of $1,394,812 to accommodate bid results. Additional funding has been provided by Facilities Services from Auxiliary sources.</td>
</tr>
<tr>
<td>UF-632</td>
<td>Data Science and Information Technology Building</td>
<td>March 18, 2021</td>
<td>$150,000,000</td>
<td>-</td>
<td>$150,000,000</td>
<td>Y This amendment does not increase the project budget total, but revises funding commitments by the College of Engineering to include $22,000 for Carry Forward Funding. This “flavor of funding” use of Carry Forward funds is permissible under BOG Regulation 6.003(2)c.i. BOG Facilities staff has indicated this amendment should be reported during the annual PCE Budget Update/Submission.</td>
</tr>
</tbody>
</table>

Additional $750,000 from unrestricted funds to assure budget shortfall due to the cost escalation for technology, telecommunications and security systems.

Additional $62,284 was provided by the department for User group requested changes to the scope of the project including additional floor boxes, changes to planter wall, adding interior sliding windows, etc.

The additional $2,700,000 is to account for adjustments in the net to gross square footage and construction cost escalation to meet the original program for the Whitney Lab. This additional funding provided by private donor.

Facilities Services is providing $2,900,000 for the added scope of domestic water pipe replacement, additional Conservation Administration services and change orders from the contractor and additional unforeseen conditions after 50% construction. Business Affairs is adding $30,000 in Carry Forward funding for on-campus digital signage to help with traffic and pedestrian flow related to active construction.

The project incurred market pricing increases on all major building materials including, but not limited to steel and concrete (Due to the “hardened” nature of the facility, including the bulk of the building’s robust structure and skin), metal studs, plumbing and fire protection piping, mechanical units and ductwork, and electrical conduit. Further, increased fuel prices increased virtually all materials cost starting from mining of the raw materials, to production of products, to final delivery to jobsite. The User Group recognized the increased financial demands upon the project and infused additional funding to assure its viability.

Legacy underground utilities maps incorrectly captured the entirety of existing underground conditions, and considerable abandoned and/or undocumented utilities have required removal or relocation for installation of new piping, manholes, and other systems. Also, several major isolation valves required replacement due to inability to withstand system-wide pressure intensities. The project also incurred some material price increases during this interval.

The original planning/programming budget for the project is $50,000,000. The project was ‘Hard Bid’ and requires budget increase of $1,394,812 to accommodate bid results. Additional funding has been provided by Facilities Services from Auxiliary sources.

This amendment does not increase the project budget total, but revises funding commitments by the College of Engineering to include $22,000 for Carry Forward Funding. This “flavor of funding” use of Carry Forward funds is permissible under BOG Regulation 6.003(2)c.i. BOG Facilities staff has indicated this amendment should be reported during the annual PCE Budget Update/Submission.
<table>
<thead>
<tr>
<th>Project Phase</th>
<th>Project Number</th>
<th>Project Title</th>
<th>Program Planning Budget</th>
<th>Ratified Budget</th>
<th>Requested Budget Amendment</th>
<th>Requested Budget/Amendment Funding Source</th>
<th>Net Changes To Date</th>
<th>Required ROG/FCO Amendment ($)</th>
<th>Final Project Cost</th>
<th>Planned Completion</th>
<th>Status Comments:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>MP0685</td>
<td>Baby Gator Additions</td>
<td>$1,080,000</td>
<td>$1,080,000</td>
<td>-</td>
<td>-</td>
<td>$1,080,000</td>
<td>$1,080,000</td>
<td>August-2024</td>
<td>Construction 50% complete</td>
<td></td>
</tr>
<tr>
<td>Construction</td>
<td>MP0697</td>
<td>UF HTM Bldg, Phase 3 &amp; 4, 2024-2025</td>
<td>$1,080,000</td>
<td>$1,080,000</td>
<td>-</td>
<td>-</td>
<td>$1,080,000</td>
<td>$1,080,000</td>
<td>June-2024</td>
<td>Construction 50% complete</td>
<td></td>
</tr>
<tr>
<td>Construction</td>
<td>MP0850</td>
<td>COTR, 2nd Floor, 5th Floor Expansion</td>
<td>$1,080,000</td>
<td>$1,080,000</td>
<td>-</td>
<td>-</td>
<td>$1,080,000</td>
<td>$1,080,000</td>
<td>August-2024</td>
<td>Construction 50% complete</td>
<td></td>
</tr>
<tr>
<td>Construction</td>
<td>MP0345</td>
<td>Student Housing, Infrastructure &amp; Renovations</td>
<td>$1,080,000</td>
<td>$1,080,000</td>
<td>-</td>
<td>-</td>
<td>$1,080,000</td>
<td>$1,080,000</td>
<td>August-2024</td>
<td>Construction 50% complete</td>
<td></td>
</tr>
<tr>
<td>Construction</td>
<td>MP0152</td>
<td>Gator Band Bldg - Phase 2, Band Practice Field Facility</td>
<td>$1,080,000</td>
<td>$1,080,000</td>
<td>-</td>
<td>-</td>
<td>$1,080,000</td>
<td>$1,080,000</td>
<td>September-2023</td>
<td>Construction 50% complete</td>
<td></td>
</tr>
<tr>
<td>Construction</td>
<td>ET-0040</td>
<td>Chemical Engineering Student Center, classroom renovations</td>
<td>$1,080,000</td>
<td>$1,080,000</td>
<td>-</td>
<td>-</td>
<td>$1,080,000</td>
<td>$1,080,000</td>
<td>February-2024</td>
<td>Design complete. In construction by May.</td>
<td></td>
</tr>
<tr>
<td>Construction</td>
<td>MP0910</td>
<td>Orthopaedics Residency Renovation</td>
<td>$1,080,000</td>
<td>$1,080,000</td>
<td>-</td>
<td>-</td>
<td>$1,080,000</td>
<td>$1,080,000</td>
<td>July-2024</td>
<td>Design completed</td>
<td></td>
</tr>
<tr>
<td>Construction</td>
<td>MP0050</td>
<td>Energy-Conservation Construction</td>
<td>$1,080,000</td>
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<td>$1,080,000</td>
<td>March-2024</td>
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<tr>
<td>Construction</td>
<td>MP0122</td>
<td>Agricultural Sciences New Addition</td>
<td>$1,080,000</td>
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<td>October-2024</td>
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<tr>
<td>Construction</td>
<td>MP0587</td>
<td>New/Existing Lab 5</td>
<td>$1,080,000</td>
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<td>-</td>
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<td>March-2024</td>
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<tr>
<td>Construction</td>
<td>MP0275</td>
<td>Veterinary Academic Building V2, V3: Anatomy Lab, Addition</td>
<td>$1,080,000</td>
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<td>-</td>
<td>-</td>
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<td>$1,080,000</td>
<td>June-2024</td>
<td>Design Drawings</td>
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<tr>
<td>Construction</td>
<td>MP0455</td>
<td>UF Veterinary Parking Project</td>
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<td>-</td>
<td>-</td>
<td>$1,080,000</td>
<td>$1,080,000</td>
<td>July-2024</td>
<td>Construction started</td>
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<tr>
<td>Construction</td>
<td>MP0456</td>
<td>Minor Engineering 1: 3rd Floor IMC, Replacement</td>
<td>$1,080,000</td>
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<td>-</td>
<td>$1,080,000</td>
<td>$1,080,000</td>
<td>September-2024</td>
<td>Design Programming</td>
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<tr>
<td>Construction</td>
<td>MP0133</td>
<td>Minor Engineering Building Repairs</td>
<td>$1,080,000</td>
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<td>$1,080,000</td>
<td>December-2023</td>
<td>Design Programming</td>
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<tr>
<td>Construction</td>
<td>MP0132</td>
<td>Engineering Building Renovation</td>
<td>$1,080,000</td>
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<td>$1,080,000</td>
<td>$1,080,000</td>
<td>July-2024</td>
<td>Design Programming</td>
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<tr>
<td>Construction</td>
<td>MP0582</td>
<td>Baby Inter-University Village</td>
<td>$1,080,000</td>
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<tr>
<td>Construction</td>
<td>MP0283</td>
<td>Nutrition Medical Sciences V-2: 4th Floor, Kitchen, Addition</td>
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<td>$1,080,000</td>
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<td>-</td>
<td>$1,080,000</td>
<td>$1,080,000</td>
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<tr>
<td>Construction</td>
<td>MP0284</td>
<td>Nuclear Field Building Renovation</td>
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<td>October-2024</td>
<td>Design Drawings</td>
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<td>Design Total</td>
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<td>6 Projects</td>
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<td>-</td>
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<tr>
<td>Construction</td>
<td>MP0345</td>
<td>UF Wayfinding</td>
<td>$1,080,000</td>
<td>$1,080,000</td>
<td>-</td>
<td>-</td>
<td>$1,080,000</td>
<td>$1,080,000</td>
<td>August-2024</td>
<td>Construction in Planning</td>
<td></td>
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<tr>
<td>Planning</td>
<td>MP0689</td>
<td>UF HTM Bldg, Phase 3: Building Practice Field Facility</td>
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<td>$1,080,000</td>
<td>$1,080,000</td>
<td>April-2024</td>
<td>Minor Capital Construction underway</td>
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<tr>
<td>Planning Total</td>
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<td>3 Projects</td>
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<td>-</td>
<td>$3,252,000</td>
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<tr>
<td>Total Project</td>
<td>52 Projects</td>
<td>52 Projects</td>
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<td>$22,860,000</td>
<td>$22,860,000</td>
<td>-</td>
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<td></td>
</tr>
</tbody>
</table>

Capital Minor Projects <$2M "Graphical Summary:"
## Major Projects

### Construction Total

<table>
<thead>
<tr>
<th>Project Phase</th>
<th>Project Number</th>
<th>Project Title</th>
<th>Requested Budget</th>
<th>Final Project Cost</th>
<th>Planned Completion</th>
<th>Status/Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>27,264,460</td>
<td>Dental Science Building - Envelope Repairs</td>
<td>$27,264,460</td>
<td>$0</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Construction</td>
<td>9,953,960</td>
<td>Programming in progress.</td>
<td>$9,953,960</td>
<td>$0</td>
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<tr>
<td>Construction</td>
<td>2,350,000</td>
<td>May-2024 Design Progressing.</td>
<td>$2,350,000</td>
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<tr>
<td>Construction</td>
<td>2,500,000</td>
<td>TBD Project in Planning.</td>
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<td>$0</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Construction</td>
<td>21,022,400</td>
<td>Dental Science Building - Mechanical</td>
<td>$21,022,400</td>
<td>$0</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Construction</td>
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<td>October-2023 Project in Planning.</td>
<td>$4,271,300</td>
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### Design Total

<table>
<thead>
<tr>
<th>Project Phase</th>
<th>Project Number</th>
<th>Project Title</th>
<th>Requested Budget</th>
<th>Final Project Cost</th>
<th>Planned Completion</th>
<th>Status/Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>10 Projects</td>
<td>Medical Engineering: Replace-1816, 19, 19-10</td>
<td>$2,797,800</td>
<td>$0</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Design</td>
<td>12 Projects</td>
<td>General Science: HVAC- Sheet &amp; BMS Replacement</td>
<td>$2,797,800</td>
<td>$0</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Design</td>
<td>2 Projects</td>
<td>System Medical Sciences: ASR Replacement-4 Units and SCA</td>
<td>$2,014,500</td>
<td>$0</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Total Budget

| Total Majors | $31,264,460 | $0 | N/A | N/A |

### Capital Minor Projects

<table>
<thead>
<tr>
<th>Project Phase</th>
<th>Project Number</th>
<th>Project Title</th>
<th>Requested Budget</th>
<th>Final Project Cost</th>
<th>Planned Completion</th>
<th>Status/Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>Martinez Hall- Tile Roof Sections/Roof Replacement</td>
<td>$3,226,000</td>
<td>$0</td>
<td>N/A</td>
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</tr>
<tr>
<td>Design</td>
<td>UF-683</td>
<td>Engineering Building HVAC Controls System Wet Networks</td>
<td>$3,226,000</td>
<td>$0</td>
<td>N/A</td>
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<tr>
<td>Design</td>
<td>UF-691</td>
<td>Medical Science Building: Mechanical</td>
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<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Design</td>
<td>UF-665</td>
<td>Planning UF-683</td>
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<td>N/A</td>
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<td>Design</td>
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<td>Planning UF-TBD</td>
<td>$3,226,000</td>
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<td>N/A</td>
<td>N/A</td>
</tr>
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</table>

### Total Budget

| Total Minor Projects | $31,264,460 | $0 | N/A | N/A |

### Funding Distribution by Division "Graphical Summary"

- PDC: $116,199,060 (78%)
- PDC Plus:$28,703,300 (16%)
- HAS: $55,000,000 (8%)

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University of Florida Board of Trustees
2022-2023 General Appropriations Act, Section 197, Deferred Building Maintenance Program
Major Projects <$4 in Construction Costs, Minor Capital Construction Projects <$2M - <$4M in Construction Costs and Summary Below for Projects <$2M
Meeting Date: June 22, 2023
Report Date: May 26, 2023
SUBJECT: Parking Fee Restructure for FY24

BACKGROUND INFORMATION
Transportation and Parking Services (TAPS) is responsible for managing and operating the university’s transit and parking programs, including maintaining the campus parking infrastructure. A primary revenue source for TAPS is parking permit sales.

A change to the structure and cost of student parking permits is needed to meet student demand and also generate revenue to cover on-going and future expenses for the parking program. This proposal introduces a proximity-based parking model for students that provides tiered options.

The request is to implement the following change to student parking permits:

**STUDENT PERMITS**: Implement a 3-tiered proximity pricing structure as follows. (Currently, all student permits are a flat $160 annually).

<table>
<thead>
<tr>
<th>Proposed Permit Tiers</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Tier 1)</td>
</tr>
<tr>
<td>(Tier 2)</td>
</tr>
<tr>
<td>(Tier 3)</td>
</tr>
</tbody>
</table>

- Most proximate parking locations – most expensive
- Mid-proximate parking locations – mid cost
- Least proximate (Garage 9 Rooftop only) – least expensive

**FACULTY/STAFF PERMITS**: No proposed changes to faculty/staff parking permits at this time.

Rationale:
There has been no revenue increase to support TAPS’ operations in eight years, despite rising annual operating expenses. Student parking permit prices have remained flat at $160 annually for the past eight years. Faculty/staff parking permit pricing was increased strategically each year from FY 2017-18 to FY 2020-21, with the increased revenue specifically pledged to cover the debt incurred to build Garage 14.

Compounding the lack of revenue growth for an extended period, TAPS experienced a significant revenue shortfall (including waiving of parking fees for a period of time) as a result of the pandemic.
COVID Relief Funds received by TAPS partially offset the pandemic-related revenue shortfall ($1.9 million not covered by relief funds). However, other mitigating circumstances that contribute to the need for the current re-structure request are as follows:

1. Parking demand has not rebounded to pre-pandemic levels (as compared to FY 2019)
2. Some UF Health employees no longer need permits due to relocation to other facilities off main campus
3. Some UF Health employees now purchase parking from UF Health, thereby reducing demand in TAPS
4. The campus e-scooter program is likely contributing to the decline in motorcycle/scooter permit sales (TAPS is currently selling approximately 2,200 fewer motorcycle/scooter permits annually)
5. Some fully remote and hybrid remote employees may not need permits
6. A recent increase in student housing closer to campus may contribute to lower demand for permits

**PROPOSED COMMITTEE ACTION**
The Committee on Facilities and Capital Investments is asked to approve the TAPS proposal for a proximity-based parking model for student parking permits for recommendation to the Board of Trustees for approval on the Consent Agenda. Upon approval, TAPS will work with the relevant campus units on necessary steps, including applicable UF regulation changes, to be presented to the Board of Trustees for approval at a future meeting.

**ADDITIONAL COMMITTEE CONSIDERATIONS**
None.

Supporting Documentation Included: Parking Permit Changes TAPS Recommendations presentation

Submitted by: Curtis A. Reynolds, Vice President for Business Affairs

Approved by the University of Florida Board of Trustees, June 8, 2023

_________________________  _____________________________
Morteza “Mori” Hosseini, Chair  Ben Sasse, President and Corporate Secretary
Parking Permit Changes
TAPS Recommendations

June 8, 2023
Faculty and Staff Permits:

No changes proposed for FY2023-24. Faculty/staff permit pricing will be re-evaluated for FY2024-25.
**Student Permits:**

Students living in residence halls, sororities and fraternities may choose from among three options:

<table>
<thead>
<tr>
<th>Permit Type/Proximity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Tier 1</td>
<td>Red 1 Permit, most proximate parking</td>
</tr>
<tr>
<td>Tier 2</td>
<td>Red 2 Permit, mid-proximate parking</td>
</tr>
<tr>
<td>Tier 3</td>
<td>Red 3 Permit, least proximate parking (Garage 9 Rooftop only)</td>
</tr>
</tbody>
</table>
PROPOSED 3 – Tiered Decal pricing for Resident Students
SUBJECT: Center for Applied Artificial Intelligence

BACKGROUND INFORMATION
UF/IFAS Gulf Coast Research and Education Center in Balm, Hillsborough County will be a central research, extension and development hub focused on the use of artificial intelligence and robotics to overcome production limitations identified by the agricultural and natural resources industries. This 35,000 GSF facility will include research labs, offices, conference rooms, and collaborative spaces.

PROPOSED COMMITTEE ACTION
The Committee on Facilities and Capital Investments is asked to provide guidance regarding the inclusion to the “preliminary” 2024-2025 Fixed Capital Outlay Legislative Budget Request for the UF/IFAS - Center for Applied Artificial Intelligence to the Board of Trustees for approval on the Consent Agenda.

ADDITIONAL COMMITTEE CONSIDERATIONS
None.

Supporting Documentation Included: None

Submitted by: Curtis A. Reynolds, Vice President for Business Affairs

Approved by the University of Florida Board of Trustees, June 8, 2023

Morteza “Morji” Hosseini, Chair

Ben Sasse, President and University Secretary
SUBJECT: Fixed Capital Outlay Legislative Budget Request for FY25

BACKGROUND INFORMATION
The Florida Board of Governors requires an annual submission from each university of its Fixed Capital Outlay Legislative Budget Request. This update is used by the Florida Board of Governors to develop the annual Fixed Capital Outlay Legislative Budget Request. Several items are included in this submission as follows;

- Five year Capital Improvement Plan – PECO Eligible Project Requests
- Five year Capital Improvement Plan – CITF Projects
- Five year Capital Improvement Plan – Non-State Supplemental Funding

PROPOSED COMMITTEE ACTION
The Committee on Facilities and Capital Investments is asked to provide guidance regarding the “preliminary” 2024-2025 Fixed Capital Outlay Legislative Budget Request that is attached. The Committee is also asked to recommend to the Board of Trustees its approval on the Consent Agenda, an action authorizing the president and board chair to develop and direct the submission of final approved lists to be submitted to the Florida Board of Governors by its July 1st deadline and contemporaneously shared with the Board of Trustees.

ADDITIONAL COMMITTEE CONSIDERATIONS
Submission to the Board of Governors is required.

Supporting Documentation Included: (CIP-1) Cover Letter (Draft), (CIP-2A, CIP-2B, CIP-2C) Five Year Capital Improvement Plans, (CIP-3) Project Details

Submitted by: Curtis A. Reynolds, Vice President for Business Affairs

Approved by the University of Florida Board of Trustees, June 8, 2023

______________________________________________  _________________________________
Morteza “Mori” Hosseini, Chair                  Ben Sasse, President and Corporate Secretary
July 1, 2023

Mr. Tim Jones, Vice Chancellor for Finance & Administration  
Florida Board of Governors  
State University System  
325 West Gaines Street  
Suite 1652 Turlington Building  
Tallahassee, Florida 32399-0400

Dear Mr. Jones:

Enclosed is the University of Florida 2024-25 Fixed Capital Outlay Legislative Budget Request submission as originally requested on April 5, 2023, with the due date of July 1, 2023.

The 2024-25 Fixed Capital Outlay Legislative Budget Request was approved by the UF Board of Trustees on June 08, 2023. Prioritization of UF capital improvement projects is based on the strategic goals of the university as set forth by the board of trustees and administration. A thorough evaluation of the utilization and condition of existing facilities is considered, as well as the programmatic and technical requirements for new facilities that meet the unique challenges of a leading academic and research institution. In consultation with the board of trustees and senior administration, the university has developed new priorities for this submission. Furthermore, the proposed projects being presented, reflect the university’s commitment towards revitalization of existing facilities that will extend their useful life, as well as providing higher quality space for the nationally ranked academic programs occupying these facilities.

Prioritization of the University of Florida’s 2024-25 capital improvement projects are as follows:

- Priority #1 – Thermal Infrastructure Plant & Distribution Upgrades
- Priority #2 – UF Student Experience Center
- Priority #3 – Hamilton Center
- Priority #4 – IFAS Microbiology & Cell Sciences Teaching Lab
- Priority #5 – Jacksonville Health & Financial Tech Graduate Education Center
- Priority #6 – Dental Science Building
- Priority #7 – Academic & Research Collaboration Center
- Priority #8 – Music Building
- Priority #9 – Center for Applied Artificial Intelligence- Balm

Please contact Vice-President for Business Affairs, Curtis A. Reynolds (352-392-1336, curtrey@ufl.edu) if you have questions pertaining to this submission.

Sincerely,

Dr. Ben Sasse

Approved University of Florida Board of Trustees: ________________________________  Morteza Hosseini, Chair

Board of Governors Form CIP-1
## Summary of Projects

(PECO-Eligible Project Requests)

<table>
<thead>
<tr>
<th>Priority No.</th>
<th>Project Title</th>
<th>Total Supplemental (Non PECO) funding</th>
<th>Total Prior PECO Funding</th>
<th>Projected Annual PECO Funding Requested</th>
<th>Programs to Benefit from Project</th>
<th>Net Assignable Sq. Ft. (NASF)</th>
<th>Gross Sq. Ft. (GSF)</th>
<th>Total Project Cost</th>
<th>Project Cost Per GSF</th>
<th>EPS Recommendation Date &amp; Rec. # (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Thermal Infrastructure Plant &amp; Distribution Upgrade</td>
<td>$20,000,000</td>
<td>$ -</td>
<td>$ -</td>
<td>UF</td>
<td>N/A</td>
<td>N/A</td>
<td>$100,000,000</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>2</td>
<td>UF Student Experience Center</td>
<td>$ -</td>
<td>$ -</td>
<td>$ -</td>
<td>UF</td>
<td>10,200</td>
<td>15,000</td>
<td>$17,000,000</td>
<td>$1,133.33</td>
<td>EPS Action Item</td>
</tr>
<tr>
<td>3</td>
<td>UF Hamilton Center</td>
<td>$ -</td>
<td>$ -</td>
<td>$ -</td>
<td>IFAS</td>
<td>4,500</td>
<td>6,080</td>
<td>$5,500,000</td>
<td>$904.61</td>
<td>N/A</td>
</tr>
<tr>
<td>4</td>
<td>IFAS Microbiology &amp; Cell Sciences Teaching Lab</td>
<td>$ -</td>
<td>$ 2,750,000</td>
<td>$ -</td>
<td>UF</td>
<td>143,000</td>
<td>243,100</td>
<td>$250,000,000</td>
<td>$1,028.38</td>
<td>N/A</td>
</tr>
<tr>
<td>5</td>
<td>Jax Health &amp; Financial Tech Graduate Education C</td>
<td>$100,000,000</td>
<td>$75,000,000</td>
<td>$ -</td>
<td>Dental</td>
<td>163,900</td>
<td>253,150</td>
<td>$162,300,000</td>
<td>$641.12</td>
<td>N/A</td>
</tr>
<tr>
<td>6</td>
<td>Dental Science Building</td>
<td>$44,000,000</td>
<td>$88,994,870</td>
<td>$ -</td>
<td>UF</td>
<td>10,495</td>
<td>15,743</td>
<td>$22,000,000</td>
<td>$1,397.45</td>
<td>N/A</td>
</tr>
<tr>
<td>7</td>
<td>Academic &amp; Research Collaboration Center</td>
<td>$ -</td>
<td>$11,000,000</td>
<td>$ -</td>
<td>Music</td>
<td>19,600</td>
<td>25,460</td>
<td>$50,000,000</td>
<td>$1,963.86</td>
<td>N/A</td>
</tr>
<tr>
<td>8</td>
<td>Music Building</td>
<td>$5,000,000</td>
<td>$35,000,000</td>
<td>$ -</td>
<td>IFAS</td>
<td>24,150</td>
<td>34,005</td>
<td>$25,000,000</td>
<td>$735.19</td>
<td>N/A</td>
</tr>
<tr>
<td>9</td>
<td>Center for Applied Artificial Intelligence - Balm</td>
<td>$ -</td>
<td>$10,965,880</td>
<td>$ -</td>
<td>IFAS</td>
<td>11,000</td>
<td>14,034,120</td>
<td>$ -</td>
<td>$735.19</td>
<td>N/A</td>
</tr>
</tbody>
</table>

1) An EPS recommendation is required per s 1013.31 and s. 1001.706(12) if no prior PECO trust fund appropriation received. If the project has received non-PECO appropriation(s) and an EPS Recommendation is not applicable, please cite the General Appropriations Act (GAA) FY and the ($) amount(s) appropriated, for reference.
State University System  
5-Year Capital Improvement Plan (CIP)  
FY 2024-25 through 2028-29  

Summary of Projects  
(CITF Project Requests) ¹

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Total CITF Funding to Date</th>
<th>Projected Annual CITF Funding for the Project</th>
<th>Programs to Benefit from Project (if applicable)</th>
<th>Net Assignable Sq. Ft. (NASF)</th>
<th>Gross Sq. Ft. (GSF)</th>
<th>Total Project Cost ¹</th>
<th>Project Cost Per GSF</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Disability Resource Center</td>
<td>$12,450,000</td>
<td>$0 $0 $0 $0 $0</td>
<td>UF Students</td>
<td>8,320</td>
<td>12,200</td>
<td>$12,450,000</td>
<td>$1,020</td>
</tr>
<tr>
<td>Hitchcock Field &amp; Fork Pantry</td>
<td>$2,156,826</td>
<td>$0 $0 $0 $0 $0</td>
<td>UF Students</td>
<td>1,780</td>
<td>2,615</td>
<td>$2,156,826</td>
<td>$825</td>
</tr>
</tbody>
</table>

¹) This form (CIP-2B) is intended for CITF projects of $2M or more.
### Summary of Projects

(*'Back of Bill' Legislative Project Authorizations)*

<table>
<thead>
<tr>
<th>Project Name *</th>
<th>Brief Description of Project</th>
<th>GSF</th>
<th>Project Location</th>
<th>Project Cost</th>
<th>Project Funding Source(s)</th>
<th>Estimated Annual Operating &amp; Maintenance Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomedical &amp; Life Sciences Research Building &amp; Various Renovations</td>
<td>Interdisciplinary research facility</td>
<td>120,000</td>
<td>Adjacent to Cancer Genetics and Pathogens Buildings on UF Campus</td>
<td>$250,000,000</td>
<td>Bond</td>
<td>$2,500,000 Office of Research</td>
</tr>
<tr>
<td>Ben Hill Griffin Stadium Renovation</td>
<td>Renovations to Football Stadium</td>
<td>500,000</td>
<td>Ben Hill Griffin Stadium</td>
<td>$300,000,000</td>
<td>Bond</td>
<td>$3,000,000 UAA</td>
</tr>
</tbody>
</table>

* List all proposed FCO projects for FY 2024-25 to be constructed, acquired and financed by the university or DSO via Debt or P3 requiring Legislative (Back-of-Bill) authorization pursuant to s.1010.62 as amended.
## PROJECT NARRATIVE

In connection with the extension of the UF-Duke Energy agreement, UF must complete certain utility system renovations and upgrades for portions of the system that are not associated with the Duke plant (e.g., increased chilled water production; expanded chilled water and steam distribution; optimization of existing plants and facilities aimed at efficiency gains, etc.) to replace end-of-life facilities and to ensure service capacity for future campus growth. These improvements are a generational investment for the campus and, with existing poor energy performance in our oldest plants, the ROI could range from moderate to aggressive. The following major building and equipment renovations are contemplated:

- Increase chilled water tonnage to support additional buildings and major renovations in the research and energy dense southern district of campus;
- Replace end-of-life chillers and appurtenances, reconfigure the secondary pumping design and optimize performance across the balance of plant infrastructure to increase energy efficiency, cut costs, and enhance ease of operational control;
- Create an industrial-grade control system that integrates all 10 chilled water plants across campus for centralized plant control and operations from a single location;
- Make distribution improvements to remove flow restrictions on service delivery and replace 30-year-old piping that cannot support modern plant distribution pressures;
- Rebuild the Rabon Plant’s north and south electrical rooms and replace all medium voltage throughout the plant for safe and efficient electrical performance;
- Rebuild electrical substation #2 with modernized switch gear and breakers and replace protection and controls systems in order to increase UF’s electrical grid resiliency.

The University of Florida has one of the oldest and largest district energy systems in higher education. With district energy being central to decarbonization and resiliency, this investment is essential for the University of Florida’s future.

### RESERVE ESCROW PLAN

<table>
<thead>
<tr>
<th>Renovation/Remodeling Projects</th>
<th>New Construction Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated Bldg Value:</td>
<td>$ 100,000,000</td>
</tr>
<tr>
<td>Value Basis/Source:</td>
<td>Total construction cost or insurable value, whichever is greater, per Board Regulation 14.002</td>
</tr>
<tr>
<td>Estimated 1st Yr Deposit:</td>
<td>$ 1,000,000</td>
</tr>
<tr>
<td>Funding Source:</td>
<td></td>
</tr>
<tr>
<td>Comments:</td>
<td></td>
</tr>
</tbody>
</table>

### BUILDING SPACE DESCRIPTION

(To account for all building space below)

<table>
<thead>
<tr>
<th>Space Type (per FICM)</th>
<th>Net Sq. Ft. (NSF)</th>
<th>Net-to-Gross Conversion Factor</th>
<th>Gross Sq. Ft. (GSF)</th>
<th>Unit Cost * (per GSF)</th>
<th>Building Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEW CONSTRUCTION</td>
<td></td>
<td></td>
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</tbody>
</table>

Subtotal NASF: -

'Other Assignable' E&G Space -

Other Non-E&G Budget Entity Space -

Total: -

* Apply Unit Cost to total GSF based on Space Type

### REMODELING / RENOVATION

<table>
<thead>
<tr>
<th>Space Type (per FICM)</th>
<th>Net Sq. Ft. (NSF)</th>
<th>Net-to-Gross Conversion Factor</th>
<th>Gross Sq. Ft. (GSF)</th>
<th>Unit Cost * (per GSF)</th>
<th>Building Cost</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>

Subtotal NASF: -

'Other Assignable' E&G Space -

Other Non-E&G Budget Entity Space -

Total: -

Grand Total: -

**Remodeling Projects Only**

BEFORE | AFTER

- | -

- | -

- | -

- | -

- | -

- | -

Subtotal NASF: -

'Other Assignable' E&G Space -

Other Non-E&G Budget Entity Space -

Total: -

Grand Total: -
### Basic Construction Costs

<table>
<thead>
<tr>
<th>Costs Incurred to Date</th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
<th>Year 5</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Cost (from above)</td>
<td>-</td>
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<td>-</td>
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</tr>
<tr>
<td>Environmental Impacts/Mitigation</td>
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<td>-</td>
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<tr>
<td>Site Preparation</td>
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<tr>
<td>Landscape / Irrigation</td>
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<tr>
<td>Plaza / Walks</td>
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<td>-</td>
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<tr>
<td>Roadway Improvements</td>
<td>-</td>
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<td>-</td>
</tr>
<tr>
<td>Parking: spaces</td>
<td>-</td>
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<td>-</td>
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<td>Sanitary Sewer System</td>
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<tr>
<td>Chilled Water System</td>
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<td>Storm Water System</td>
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<tr>
<td>Energy Efficient Equipment</td>
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<td>-</td>
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</table>

**Subtotal: Basic Const. Costs**

### Other Project Costs

<table>
<thead>
<tr>
<th>Other Project Costs</th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
<th>Year 5</th>
<th>Total</th>
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<tbody>
<tr>
<td>Land / existing facility acquisition</td>
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<tr>
<td>Inspection Services</td>
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<td>Insurance Consultant</td>
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<td>Surveys &amp; Tests</td>
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<td>Permit / Impact / Environmental Fees</td>
<td>-</td>
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<tr>
<td>Artwork</td>
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<tr>
<td>Artwork</td>
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<tr>
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<td>-</td>
<td>-</td>
<td>-</td>
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</tbody>
</table>

**Subtotal: Other Project Costs**

**Total Project Cost:**

### Project Funding

<table>
<thead>
<tr>
<th>Funding Received to Date (all sources)</th>
<th>Projected Supplemental Funding</th>
<th>Projected PECO Requests</th>
<th>Total Project Cost</th>
</tr>
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<tbody>
<tr>
<td>Source</td>
<td>FY</td>
<td>Amount</td>
<td>Source</td>
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<td>Auxiliaries</td>
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- | 20,000,000 | 80,000,000 | 100,000,000 |
### University of Florida

#### Project Name: UF Student Experience Center

#### Project Address: UF Main Campus

---

#### PROJECT NARRATIVE

The University of Florida Welcome Center is often the first impression for many future gators and their families. As UF has grown, the current Welcome Center does not meet the needs for our gator families. There is more demand for tours than they have the capacity to provide, which has created a month's long waiting list.

The new UF Student Experience Center is the first access point for visitors and will be easily accessible, exceed the expectations of our guests and project the image of the Gator spirit that campus and alumni embrace. It will have a large welcoming entry, large auditorium for welcoming tours for interested families, a mock residence hall room for families to tour, offices and small break out spaces for families to meet with admissions and financial aid. The center will be a visual centerpiece of UF that is interactive and innovative and tells the story of the student experience from academics to student life to athletics to career connections. In short, the new building will provide a curated experiences which will leave an impactful introduction of the University of Florida.

---

#### RESERVE ESCROW PLAN

<table>
<thead>
<tr>
<th>Renovation/Remodeling Projects</th>
<th>New Construction Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1% per s. 1001.706(12)(c) F.S.)</td>
<td>(2% per Board Regulation 14.002)</td>
</tr>
<tr>
<td>Estimated Bldg Value:</td>
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<tr>
<td>Value Basis/Source:</td>
<td>Total construction cost or insurable value, whichever is greater, per Board Regulation 14.002</td>
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<td>Funding Source:</td>
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#### BUILDING SPACE DESCRIPTION (account for all building space below)

<table>
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<tr>
<th>Space Type (per FICM)</th>
<th>Net Sq. Ft. (NSF)</th>
<th>Net-to-Gross Conversion Factor</th>
<th>Gross Sq. Ft. (GSF)</th>
<th>Unit Cost * (per GSF)</th>
<th>Building Cost</th>
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</thead>
<tbody>
<tr>
<td>NEW CONSTRUCTION</td>
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<td></td>
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<td></td>
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</tr>
<tr>
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<td>Total:</td>
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* Apply Unit Cost to total GSF based on Space Type

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#### REMODELING / RENOVATION

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**Grand Total:**

| | |
|---|---|---|
| 10,200 | 15,960 | 8,448,000 |
## PROJECT COMPONENT COSTS & PROJECTIONS

### Basic Construction Costs
- **Building Cost (from above)**
  - Year 1: 8,448,000
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 
  - Total: 8,448,000
- **Environmental Impacts/Mitigation**
  - Year 1: 
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 
  - Total: 
- **Site Preparation**
  - Year 1: 70,000
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 
  - Total: 70,000
- **Landscape / Irrigation**
  - Year 1: 150,000
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 
  - Total: 150,000
- **Plaza / Walks**
  - Year 1: 150,000
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 
  - Total: 150,000
- **Roadway Improvements**
  - Year 1: 75,000
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 
  - Total: 75,000
- **Telecommunication**
  - Year 1: 220,000
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 
  - Total: 220,000
- **Electrical Service**
  - Year 1: 85,000
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 
  - Total: 85,000
- **Water Distribution**
  - Year 1: 75,000
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 
  - Total: 75,000
- **Sanitary Sewer System**
  - Year 1: 90,000
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 
  - Total: 90,000
- **Chilled Water System**
  - Year 1: 150,000
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 
  - Total: 150,000
- **Storm Water System**
  - Year 1: 75,000
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 
  - Total: 75,000
- **Energy Efficient Equipment**
  - Year 1: 
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 
  - Total: 

**Subtotal: Basic Const. Costs**
- Year 1: 9,663,000
- Year 2: 
- Year 3: 
- Year 4: 
- Year 5: 
- Total: 9,663,000

### Other Project Costs
- **Land / existing facility acquisition**
  - Year 1: 
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 
  - Total: 
- **Professional Fees**
  - Year 1: 1,150,000
  - Year 2: 
  - Year 3: 1,150,000
  - Year 4: 
  - Year 5: 
  - Total: 1,150,000
- **Audio Visual**
  - Year 1: 2,000,000
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 
  - Total: 2,000,000
- **Inspection Services**
  - Year 1: 45,000
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 
  - Total: 45,000
- **Insurance Consultant**
  - Year 1: 5,000
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 
  - Total: 5,000
- **Surveys & Tests**
  - Year 1: 40,000
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 
  - Total: 40,000
- **Permit / Impact / Environmental Fees**
  - Year 1: 210,000
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 210,000
  - Total: 210,000
- **Artwork**
  - Year 1: 50,000
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 
  - Total: 50,000
- **Moveable Furnishings & Equipment**
  - Year 1: 1,650,000
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 1,650,000
  - Total: 1,650,000
- **Project Contingency**
  - Year 1: 2,187,000
  - Year 2: 
  - Year 3: 
  - Year 4: 
  - Year 5: 2,187,000
  - Total: 2,187,000

**Subtotal: Other Project Costs**
- Year 1: 7,337,000
- Year 2: 
- Year 3: 
- Year 4: 
- Year 5: 7,337,000
- Total: 7,337,000

**Total Project Cost**
- Year 1: 17,000,000
- Year 2: 
- Year 3: 
- Year 4: 
- Year 5: 
- Total: 17,000,000

### PROJECT FUNDING

#### Funding Received to Date (all sources)
- **Source**
- **FY**
- **Amount**
- **Total Project Cost**

#### Projected Supplemental Funding
- **Source**
- **FY**
- **Amount**
- **Total Project Cost**

#### Projected PECO Requests
- **Source**
- **FY**
- **Amount**
- **Total Project Cost**

#### Total Project Cost
- **Source**
- **FY**
- **Amount**
- **Total Project Cost**

**Should equal Total Project Cost above**
PROJECT NARRATIVE

Completed in 1931, the Infirmary Building is one of the older buildings on the UF Campus. With the construction of the new Student Health Care Center vacating this building, the University is planning on investing into this historic structure. The building is on the Historic Registrar and will be designed and renovated within the parameters of the Division of Historic Resources.

The building will be fully renovated/remodeled to house the newly created Hamilton Center. This Center will be primarily offices, small learning communities, conference rooms, a few small classrooms and campus support spaces. In addition, the project will remedy existing exterior envelope challenges (roof and window repair/replacement); infrastructure replacement and it will address other deferred maintenance issues. The project will address building code compliance as well as accessibility challenges.

RESERVE ESCROW PLAN

<table>
<thead>
<tr>
<th>Renovation/Remodeling Projects</th>
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</tr>
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BUILDING SPACE DESCRIPTION

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<tbody>
<tr>
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<tr>
<td>Net-to-Gross</td>
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<td>Gross Sq. Ft.</td>
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<tr>
<td>Unit Cost *</td>
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<tr>
<td>Building Cost</td>
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</table>

<table>
<thead>
<tr>
<th>REMODELING / RENOVATION</th>
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</thead>
<tbody>
<tr>
<td>Office</td>
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<tr>
<td>Study</td>
</tr>
<tr>
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<td>Campus Support Services</td>
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<td>Subtotal NASF:</td>
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<tr>
<td>Other</td>
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<tr>
<td>Total:</td>
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<table>
<thead>
<tr>
<th>Remodeling Projects Only</th>
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</thead>
<tbody>
<tr>
<td>BEFORE</td>
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<tr>
<td>AFTER</td>
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PROJECT COMPONENT COSTS & PROJECTIONS

<table>
<thead>
<tr>
<th>Costs Incurred</th>
<th>Projected Costs</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Project Costs</td>
<td>Year 1</td>
</tr>
<tr>
<td>---------------</td>
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</tr>
<tr>
<td>Basic Construction Costs</td>
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</tr>
<tr>
<td>Environmental Impacts/Mitigation</td>
<td>-</td>
</tr>
<tr>
<td>Site Preparation</td>
<td>-</td>
</tr>
<tr>
<td>Landscape / Irrigation</td>
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</tr>
<tr>
<td>Plaza / Walks</td>
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<tr>
<td>Parking:</td>
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<td>Telecommunication</td>
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<td>Electrical Service</td>
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<tr>
<td>Water Distribution</td>
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<tr>
<td>Sanitary Sewer System</td>
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<tr>
<td>Chilled Water System</td>
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<tr>
<td>Storm Water System</td>
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<td>Energy Efficient Equipment</td>
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<td>Subtotal: Basic Const. Costs</td>
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</tr>
<tr>
<td>Other Project Costs</td>
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</tr>
<tr>
<td>Land / existing facility acquisition</td>
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<tr>
<td>Professional Fees</td>
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<tr>
<td>Inspection Services</td>
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<td>Surveys &amp; Tests</td>
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<td>Artwork</td>
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<tr>
<td>Moveable Furnishings &amp; Equipment</td>
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</tr>
<tr>
<td>Project Contingency</td>
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<tr>
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<td>Total Project Cost</td>
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### PROJECT FUNDING

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<tbody>
<tr>
<td>PECO</td>
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20,000,000 + 27,000,000 = 47,000,000

Should equal Total Project Cost above
STATE UNIVERSITY SYSTEM
5-Year Capital Improvement Plan (CIP)
FY 2024-25 through 2028-29
PICO Project Detail

University: University of Florida
Project Name: UF Microbiology and Cell Sciences Teaching Lab Addition
Project Address: UF Main Campus

Priority #: 4

PROJECT NARRATIVE
This request is to build 4,500 net square feet of new space to double the available teaching laboratory space at the Microbiology and Cell Science building on the main campus at the University of Florida. The project will add 72 seats to the teaching laboratory inventory. This is a state-owned building maintained by UF/IFAS.

Located on the southwest side of campus near the corner of Museum Road and Hull Road, the Microbiology and Cell Science building (UF Bldg. 981) is home to teaching and research programs. The amount of space to teach students in teaching laboratories is limited, and the demand for access to classes in microbiology is restricted by the available space. Students find the classes full after about the first 15 minutes of registration, causing them to have to delay taking this class which is required for biological science majors, nursing, and pre-professional preparation for medicine, dentistry, pharmacy, and veterinary medicine.

RESERVE ESCROW PLAN

<table>
<thead>
<tr>
<th>Renovation/Remodeling Projects</th>
<th>New Construction Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1% per s. 1001.706(12)(c) F.S.)</td>
<td>(2% per Board Regulation 14.002)</td>
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BUILDING SPACE DESCRIPTION (account for all building space below)

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<thead>
<tr>
<th>Space Type</th>
<th>Net Sq. Ft.</th>
<th>Net-to-Gross Conversion Factor</th>
<th>Gross Sq. Ft.</th>
<th>Unit Cost * (per GSF)</th>
<th>Building Cost</th>
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* Apply Unit Cost to total GSF based on Space Type

REMODELING / RENOVATION

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PROJECT COMPONENT COSTS & PROJECTIONS

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## Basic Construction Costs

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<tr>
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<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
<th>Year 5</th>
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<td>18,000</td>
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<td>Plaza / Walks</td>
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<td>15,000</td>
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<tr>
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<td>45,000</td>
</tr>
<tr>
<td>Chilled Water System</td>
<td>75,000</td>
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<tr>
<td>Storm Water System</td>
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<td>Energy Efficient Equipment</td>
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</table>

**Subtotal: Basic Const. Costs**

3,755,000

## Other Project Costs

<table>
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<tr>
<th></th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
<th>Year 5</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land / existing facility acquisition</td>
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</tr>
<tr>
<td>Professional Fees</td>
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<td>Fire Marshall Fees</td>
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<td></td>
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</tr>
<tr>
<td>Inspection Services</td>
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<td>Insurance Consultant</td>
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<td>Surveys &amp; Tests</td>
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<tr>
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<td>Moveable Furnishings &amp; Equipment</td>
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</table>

**Subtotal: Other Project Costs**

1,745,000

**Total Project Cost:**

5,500,000

---

### PROJECT FUNDING

<table>
<thead>
<tr>
<th>Funding Received to Date (all sources)</th>
<th>Projected Supplemental Funding</th>
<th>Projected PECO Requests</th>
<th>Total Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source: PECO</td>
<td>Source FY: 23-24 Amount: 2,750,000</td>
<td>Source FY: 24-25 Amount: 2,750,000</td>
<td>Source FY: 24-25 Amount: 2,750,000</td>
</tr>
</tbody>
</table>

2,750,000 - 2,750,000 = 5,500,000

Should equal Total Project Cost above
## PROJECT NARRATIVE

Continuing UF's longstanding commitment to Northeast Florida, the UF Jacksonville Center for Health and Financial Technology will offer world-class, interdisciplinary, professional graduate programs facilitating the creation of a state pipeline of highly trained students and enabling the connection of invention/innovation through solutions-based programs developed by UF Health and UF's colleges of Business and Engineering, which will boost core competencies in biomedical technology and AI, patient quality and safety, health care admin, fintech, and more.

Funding to support the initial phase of development of urban core location in downtown Jacksonville potentially including classroom, multi-use space, student center, and related facilities. State funds could be used for planning, design, construction, lease payments, and other eligible purposes. Private and local funds will be used to match the state's investment.

## BUILDING SPACE DESCRIPTION

(account for all building space below)

<table>
<thead>
<tr>
<th>Space Type</th>
<th>Net Sq. Ft. (NSF)</th>
<th>Net-to-Gross Conversion Factor</th>
<th>Gross Sq. Ft. (GSF)</th>
<th>Unit Cost * (per GSF)</th>
<th>Building Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classroom</td>
<td>50,000</td>
<td>1.7</td>
<td>85,000</td>
<td>750</td>
<td>63,750,000</td>
</tr>
<tr>
<td>Office</td>
<td>24,000</td>
<td>1.7</td>
<td>40,800</td>
<td>400</td>
<td>16,320,000</td>
</tr>
<tr>
<td>Auditorium/Exhibition</td>
<td>15,000</td>
<td>1.7</td>
<td>25,500</td>
<td>650</td>
<td>16,575,000</td>
</tr>
<tr>
<td>Instructional Media</td>
<td>5,000</td>
<td>1.7</td>
<td>8,500</td>
<td>450</td>
<td>3,825,000</td>
</tr>
<tr>
<td>Campus Support Services</td>
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<td>1.7</td>
<td>13,600</td>
<td>350</td>
<td>4,760,000</td>
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<tr>
<td>Teaching Lab</td>
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<td>1.7</td>
<td>42,500</td>
<td>850</td>
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<tr>
<td>Study</td>
<td>10,000</td>
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<td>17,000</td>
<td>450</td>
<td>7,650,000</td>
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<tr>
<td><strong>Subtotal NASF:</strong></td>
<td><strong>137,000</strong></td>
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<td><strong>232,900</strong></td>
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<td><strong>149,005,000</strong></td>
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<tr>
<td>'Other Assignable' E&amp;G Space</td>
<td>-</td>
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<td>-</td>
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</tr>
<tr>
<td>Other Non-E&amp;G Budget Entity Space</td>
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<td>-</td>
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<tr>
<td><strong>Total:</strong></td>
<td><strong>137,000</strong></td>
<td></td>
<td><strong>232,900</strong></td>
<td></td>
<td><strong>149,005,000</strong></td>
</tr>
</tbody>
</table>

* Apply Unit Cost to total GSF based on Space Type

## REMODELING / RENOVATION

<table>
<thead>
<tr>
<th>Space Type</th>
<th>Remodeling Projects Only Before</th>
<th>Remodeling Projects Only After</th>
<th>Renovation/Remodeling Projects (1% per s. 1001.706(12)(c) F.S.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classroom</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Office</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Auditorium/Exhibition</td>
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<td>-</td>
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</tr>
<tr>
<td>Instructional Media</td>
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</tr>
<tr>
<td>Campus Support Services</td>
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<td>-</td>
<td></td>
</tr>
<tr>
<td>Teaching Lab</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Study</td>
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</tr>
<tr>
<td><strong>Subtotal NASF:</strong></td>
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<td>-</td>
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<tr>
<td>'Other Assignable' E&amp;G Space</td>
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</tr>
<tr>
<td>Other Non-E&amp;G Budget Entity Space</td>
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</tr>
<tr>
<td><strong>Total:</strong></td>
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## Grand Total:

<table>
<thead>
<tr>
<th>Classroom</th>
<th>Office</th>
<th>Auditorium/Exhibition</th>
<th>Instructional Media</th>
<th>Campus Support Services</th>
<th>Teaching Lab</th>
<th>Study</th>
<th>Remodeling Projects Only Before</th>
<th>Remodeling Projects Only After</th>
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</thead>
<tbody>
<tr>
<td>50,000</td>
<td>24,000</td>
<td>15,000</td>
<td>5,000</td>
<td>8,000</td>
<td>25,000</td>
<td>10,000</td>
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<tr>
<td>1.7</td>
<td>1.7</td>
<td>1.7</td>
<td>1.7</td>
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<td>13,600</td>
<td>42,500</td>
<td>17,000</td>
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</tbody>
</table>

## RESERVE ESCROW PLAN

<table>
<thead>
<tr>
<th>Renovation/Remodeling Projects (1% per s. 1001.706(12)(c) F.S.)</th>
<th>New Construction Projects (2% per Board Regulation 14.002)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated Bldg Value:</td>
<td>$ 250,000,000</td>
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<tr>
<td>Value Basis/Source:</td>
<td>Total construction cost or insurable value, whichever is greater, per Board Regulation 14.002</td>
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<tr>
<td>Estimated 1st Yr Deposit:</td>
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</table>

## PROJECT NARRATIVE (cont.)

Funding to support the initial phase of development of urban core location in downtown Jacksonville potentially including classroom, multi-use space, student center, and related facilities. State funds could be used for planning, design, construction, lease payments, and other eligible purposes. Private and local funds will be used to match the state's investment.
### PROJECT COMPONENT COSTS & PROJECTIONS

<table>
<thead>
<tr>
<th>Basic Construction Costs</th>
<th>Costs Incurred to Date</th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
<th>Year 5</th>
<th>Total</th>
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<td>Environmental Impacts/Mitigation</td>
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<tr>
<td>Site Preparation</td>
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<td>Sanitary Sewer System</td>
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<td>6,800,000</td>
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<tr>
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<td>2,200,000</td>
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<tr>
<td>Energy Efficient Equipment</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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</tr>
<tr>
<td><strong>Subtotal: Basic Const. Costs</strong></td>
<td><strong>196,613,000</strong></td>
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<td><strong>196,613,000</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Other Project Costs</th>
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</thead>
<tbody>
<tr>
<td>Land / existing facility acquisition</td>
<td>-</td>
<td>-</td>
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<td>-</td>
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<tr>
<td>Professional Fees</td>
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<td>2,500,000</td>
</tr>
<tr>
<td>Fire Marshall Fees</td>
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<td>Inspection Services</td>
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<td>578,000</td>
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<tr>
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<td>-</td>
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<td>-</td>
<td>-</td>
<td>65,000</td>
</tr>
<tr>
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<td>550,000</td>
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<tr>
<td>Permit / Impact / Environmental Fees</td>
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<td>450,000</td>
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<td>Artwork</td>
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<td>-</td>
<td>-</td>
<td>100,000</td>
</tr>
<tr>
<td>Moveable Furnishings &amp; Equipment</td>
<td>15,720,000</td>
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<td>-</td>
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<td>-</td>
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<td>15,720,000</td>
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<td>33,424,000</td>
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<tr>
<td><strong>Subtotal: Other Project Costs</strong></td>
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<td><strong>53,387,000</strong></td>
</tr>
</tbody>
</table>

| **Total Project Cost:** &nbsp;   | **250,000,000**        | -      | -      | -      | -      | -      | **250,000,000** |

### PROJECT FUNDING

<table>
<thead>
<tr>
<th>Funding Received to Date (all sources)</th>
<th>Projected Supplemental Funding</th>
<th>Projected PECO Requests</th>
<th>Total Project Cost</th>
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<tbody>
<tr>
<td>Source FY Amount</td>
<td>Source FY Amount</td>
<td>Source FY Amount</td>
<td>FY Amount</td>
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<tr>
<td>PECO 23-24 75,000,000</td>
<td>Others 23-24 100,000,000</td>
<td>24-25 75,000,000</td>
<td>Should equal Total</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Project Cost above</td>
</tr>
</tbody>
</table>

|                               | 75,000,000                     | 100,000,000             | 75,000,000         | 250,000,000         |
University: University of Florida  
Project Name: Dental Science Building  
Project Address: UF Main Campus  
Priority #: 6

**PROJECT NARRATIVE**
The Dental School is currently housed in the Dental Science Building. This building does not meet the needs of the College and the College needs new space to meet their educational requirements and continue to rise in the rankings nationally. The addition will provide a new welcoming space; clinical teaching, clinical student, and clinical resident space; Faculty Practice clinics; clinical support; teaching labs; simulation labs; Classrooms; School amenities; administration offices; faculty offices; Oral and Maxillofacial Surgery Clinic; and research space. In addition, it will remove a parking lot and replace it with 400 parking spaces in a structured parking garage under the building. This will enhance the accessibility for physically challenged patients and visitors by proximity and providing a connected covered parking option for when it is raining.

**RESERVE ESCROW PLAN**

<table>
<thead>
<tr>
<th>Renovation/Remodeling Projects</th>
<th>New Construction Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>(1% per s. 1001.706(12)(c) F.S.)</em></td>
<td><em>(2% per Board Regulation 14.002)</em></td>
</tr>
<tr>
<td>Estimated Bldg Value:</td>
<td>$</td>
</tr>
<tr>
<td>Value Basis/Source:</td>
<td>-</td>
</tr>
<tr>
<td>Estimated 1st Yr Deposit:</td>
<td>$</td>
</tr>
<tr>
<td>Funding Source:</td>
<td>-</td>
</tr>
<tr>
<td>Comments:</td>
<td>-</td>
</tr>
</tbody>
</table>

**BUILDING SPACE DESCRIPTION**  
(account for all building space below)

<table>
<thead>
<tr>
<th>Space Type</th>
<th>Net Sq. Ft.</th>
<th>Net to Gross Conversion Factor</th>
<th>Gross Sq. Ft.</th>
<th>Unit Cost *</th>
<th>Building Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEW CONSTRUCTION</td>
<td>(per FICM)</td>
<td>(per GSF)</td>
<td>(per GSF)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classroom</td>
<td>14,300</td>
<td>1.5</td>
<td>21,450</td>
<td>462</td>
<td>9,909,900</td>
</tr>
<tr>
<td>Teaching Lab</td>
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<td>90,080</td>
<td>587</td>
<td>52,876,960</td>
</tr>
<tr>
<td>Research Lab</td>
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<td>58,720</td>
<td>545</td>
<td>32,002,400</td>
</tr>
<tr>
<td>Office</td>
<td>45,000</td>
<td>1.5</td>
<td>67,500</td>
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<td>31,455,000</td>
</tr>
<tr>
<td>Study</td>
<td>7,600</td>
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<td>11,400</td>
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<tr>
<td>Campus Support Services</td>
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<td>435</td>
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</tr>
</tbody>
</table>

**Remodeling Projects Only**

<table>
<thead>
<tr>
<th>BEFORE</th>
<th>AFTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
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<tr>
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**PROJECT COMPONENT COSTS & PROJECTIONS**

<table>
<thead>
<tr>
<th>Costs Incurred</th>
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**Total:**  
Grand Total: 163,900 253,150 133,057,260
### Basic Construction Costs

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Subtotal: Basic Const. Costs: 3,900,000 + 92,500,000 + 78,452,260 = 174,852,260

### Other Project Costs

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<tr>
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Subtotal: Other Project Costs: 11,175,000 + 20,000,000 + 28,972,740 = 60,147,740

### Total Project Cost:

- 15,075,000 112,500,000 107,425,000 - - 235,000,000

### Project Funding

**Funding Received to Date (all sources)**

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**Projected Supplemental Funding**

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**Projected PECO Requests**

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</tbody>
</table>

**Total Project Cost**

- 98,994,870 106,700,000 29,305,130 235,000,000

**Should equal Total Project Cost above**

---

Page 2
**University:** University of Florida  
**Priority #:** 7

### Comments:

- Net Sq. Ft. (NSF)
- Net-to-Gross Conversion Factor
- Gross Sq. Ft. (GSF)
- Unit Cost *(per GSF)
- Building Cost

#### Priorities

<table>
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<tr>
<th>Building Space Description</th>
<th>New Construction Projects (2% per Board Regulation 14.002)</th>
<th>Renovation/Remodeling Projects (1% per s. 1001.106(12)(c) F.S.)</th>
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<td>Comments:</td>
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#### BUILDING SPACE DESCRIPTION

- **NEW CONSTRUCTION**
  - Office: 345 NSF, 1.5 NSF to GSF, 518 GSF, $241,155
  - Auditorium/Exhibition: 625 NSF, 1.5 NSF to GSF, 938 GSF, $501,563
  - Instructional Media: 4,090 NSF, 1.5 NSF to GSF, 6,135 GSF, $3,282,225
  - Study: 1,230 NSF, 1.5 NSF to GSF, 1,845 GSF, $857,925
  - Campus Support Services: 3,155 NSF, 1.5 NSF to GSF, 4,733 GSF, $2,153,288

  **Subtotal NASF:** 9,445 NSF, 14,168 GSF, $7,981,155

- **Remodeling Projects Only**
  - Before
  - After

  **Subtotal NASF:**

  **Other**

  **Total:**

  **Grand Total:** 10,495 NSF, 15,743 GSF, $7,981,155

#### PROJECT COMPONENT COSTS & PROJECTIONS

<table>
<thead>
<tr>
<th>Costs Incurred</th>
<th>Projected Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

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**PROJECT NARRATIVE**

Originally built in 1953, the University House was the residence for the University President. As well as being a residence, the lower level of the house was used for events. In 2006 the house changed uses to strictly an event space. Since that time, the use of the space has been challenged with accessibility and appropriate size spaces for the types of functions needed. The existing building is a split level building with many steps to move from one area to another, which makes it problematic for anyone with mobility challenges as well as movement of services. The existing building also has outstanding maintenance needs, therefore the University is proposing to demolish the building and replace it with the Academic Research Center.

The University needs an Academic Research Center to serve as a supporting role to the preeminent research happening at the University of Florida. The Center will host small academic conferences, visiting research faculty presentations, and other events. The building will be used as an academic research center that will host conferences and events with different sized meeting rooms, wide corridors to display art, full catering kitchen and support offices. The Center will have technology to allow the conferences to be hybrid to share the research that occurs at UF with the wider international research community. The exterior space will need to be covered for exterior breakout and event space. The building site is approximately 8.5 acres and will include substantial site work – two new vehicular entry sequences, minimal parking and a covered drop-off will need to be included. The landscape is envisioned to be a park like setting where conference attendees, students, faculty, staff and visitors will want to visit. Also on the site will be a pavilion with restrooms, covered event space, and storage. It may have an outdoor kitchen for grilling. The new center should be barrier free and create a warm inviting atmosphere.
### Basic Construction Costs

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<th>Item</th>
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<th>Year 3</th>
<th>Year 4</th>
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### Other Project Costs

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**Total Project Cost:** - 22,000,000

### Funding Received

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**Total Funding Received:** 11,000,000

### Projected PECO Requests

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**Total Project Cost:** 22,000,000
**State University System**
5-Year Capital Improvement Plan (CIP)
FY 2024-25 through 2028-29

**PECO Project Detail**

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**Project Name:**  
Music Building Addition, Renovation and Remodel

**Project Address:**  
435 Newell Drive, Gainesville, FL 32611

**PROJECT NARRATIVE**

The proposed project will provide for a 23,500 GSF addition to the Music Building. The current facility which was constructed in 1970 is in dire need of major renovations to correct numerous deficiencies. This project would address a programmatic deficiency for acoustically sensitive performance space. The addition would include a new 500 seat auditorium, chamber space and support spaces. The existing building will have minimal renovation located at the point of connection.

When completed, this facility will provide the opportunity for the School of Music to fully support its current and future programs, as well as expand the number of students seeking undergraduate and graduate degrees in the various music disciplines.

**RESERVE ESCROW PLAN**

<table>
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**BUILDING SPACE DESCRIPTION**

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<th>Unit Cost * (per GSF)</th>
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* Apply Unit Cost to total GSF based on Space Type

**REMODELING / RENOVATION**

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**PROJECT COMPONENT COSTS & PROJECTIONS**

<table>
<thead>
<tr>
<th>Costs Incurred</th>
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**Grand Total:**  
16,900 | 25,460 | 28,040,000 |
## Basic Construction Costs

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## Other Project Costs

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<th>Year 3</th>
<th>Year 4</th>
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<tbody>
<tr>
<td>Land / existing facility acquisition</td>
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<tr>
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**Total Project Cost:** 23,740,000 26,260,000 - - 50,000,000

## PROJECT FUNDING

### Funding Received to Date (all sources)

<table>
<thead>
<tr>
<th>Source</th>
<th>FY</th>
<th>Amount</th>
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<tbody>
<tr>
<td>PECO</td>
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### Projected Supplemental Funding

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### Projected PECO Requests

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### Total Project Cost

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<tbody>
<tr>
<td>Should equal Total Project Cost above</td>
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Located at the UF/IFAS Gulf Coast Research and Education Center in Balm in Hillsborough County, this 35,000 GSF facility will be a central research, Extension, and development hub focused on the use of artificial intelligence and robotics to overcome production limitations identified by the agricultural and natural resources industries. The building will include research labs, offices, conference rooms, and collaborative space. This hub will provide a central core that will link with UF/IFAS faculty who are part of the AI initiative across the state to serve the agriculture industry and address environmental issues such as water use and water quality. Some examples of the functions will include breeding plants that resist pests and disease, boost crop yields, reduce the amount of chemicals growers will need to use, and design and build robotic technologies and reduce the amount of cost.
## PROJECT COMPONENT COSTS & PROJECTIONS

### Basic Construction Costs

<table>
<thead>
<tr>
<th>Costs Incurred to Date</th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
<th>Year 5</th>
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### Other Project Costs

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<th>Year 3</th>
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**Source:**

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**Funding Received to Date (all sources)**

**Projected Supplemental Funding**

**Projected PECO Requests**

**Total Project Cost**

- **Source:**
  - **FY:** 24-25
  - **Amount:** 14,034,120

**Subtotal:**

- **Source:**
  - **FY:** 24-25
  - **Amount:** 14,034,120

**Total Project Cost:**

- **FY 24-25:** 14,034,120

**Subtotal:**

- **Source:**
  - **FY:** 24-25
  - **Amount:** 14,034,120

**Total Project Cost:**

- **FY 24-25:** 14,034,120

**Should equal Total Project Cost above:**

- **Total Project Cost:** 25,000,000

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Page 2

Form CIP-3 (Rev. 3/27/23)
SUBJECT: Facilities Spending Plan

BACKGROUND INFORMATION
During the 2023 Florida Legislative session, the University of Florida received legislative appropriations as follows:

- (PECO) Dental Science Building $30,694,870
- (PECO) Chemical Engineering $30,000,000
- (PECO) PK Yonge Gymnasium $12,000,000
- (PECO) Academic/Research Collaboration Center $11,000,000
- (PECO) Hamilton Center $20,000,000
- (PECO) IFAS Microbiology & Cell Science Teaching Lab $2,750,000
- (PECO) Whitney Lab for Biosciences $20,000,000
- (PECO) Music Building $35,000,000
- (PECO) IFAS Center for Applied AI at Wimauma GREC $10,965,880
- (PECO) IFAS SWREC Auditorium & Meeting Rooms $1,435,000
- (PECO) IFAS West Florida Rec Student Dorms $2,100,000
- (PECO) IFAS Horse Teaching Unit/Dormitory $1,992,650
- (PECO) IFAS Lake Watch Bldg $1,997,280
- (PECO) Jacksonville Campus $75,000,000
- (CITF) New Disability Resource Center $4,250,000
- (CITF) Hitchcock Field & Fork Pantry $2,156,826
- (CITF) Jennings Creek Bridge $275,000
- (CITF) Brown Center for Leadership & Service/Machen Scholars $250,000
- (CITF) Career Connections Center $205,000
- (CITF) Rec Sports Master Plan $150,000
- (CITF) Collegiate Veterans Success Center $25,000

PROPOSED COMMITTEE ACTION
The Committee on Facilities and Capital Investments is asked to approve the Facilities Spending Plan for Fiscal Year ending June 30, 2024, for recommendation to the Board of Trustees for its approval on the Consent Agenda.

ADDITIONAL COMMITTEE CONSIDERATIONS
Submission to the Board of Governors is required for CITF projects.
Supporting Documentation Included: CITF Committee Approval Letter

Submitted by: Curtis A. Reynolds, Vice President for Business Affairs

Approved by the University of Florida Board of Trustees, June 8, 2023

_____________________________  ________________________________
Morteza “Mori” Hosseini, Chair  Ben Sasse, President and Corporate Secretary
March 30, 2023

Dr. Ben Sasse  
President  
University of Florida  
PO Box 113150  
Gainesville, FL 32611  

Dear President Sasse,

The University of Florida’s Capital Improvement Trust Fund (CITF) Committee met on March 24, 2023 to recommend the expenditure of fiscal year 2023-2024 funds. Student members were nominated by Student Body President Lauren Lemasters and all committee members were approved by former President Fuchs in December 2022.

Nancy Chrystal-Green (Chair), Associate Vice President for Student Life  
Cydney McGlothlin, University Architect, Planning Design and Construction  
Solang Douglas, Associate Director, Student Activities and Involvement  
Michelle Smith, Assistant Dean for Inclusion, Levin College of Law  
Daniel Badell, student member  
John Brinkman, student member  
Robyn Clarke, student member  
Olivia Green, student member

Florida Statute 1013.74(3) states “no project proposed by a university which is to be funded from Capital Improvement Trust Fund fees or building fees shall be submitted to the Board of Governors for approval without prior consultation with the student government association of that university.”

As per the Board of Governors, the University of Florida’s net allocation is $7,363,946. Therefore, the committee’s final recommended capital improvement project list for FY 2023-2024 is as follows:

1. **$4,250,000 for UF 675.** The intent of this funding is to: 1) complete the program for the new Disability Resource Center facility; 2) develop a program and schematic design for expansion of the facility to include university-wide testing services. The committee supports the university’s decision to change the location of UF 675 from the University Press site to the corner of Stadium and Fletcher roads.
2. **$2,208,946 for the Hitchcock Field and Fork Pantry.** The intent of this funding is to: 1) expand the storage, preparation, and support area of the facility to improve functionality, security, and efficiency; 2) improve the outdoor queuing experience.

3. **$275,000 for the Jennings Creek Bridge.** The intent of this funding is to support the design portion of this project since it serves as an important connector for students between parking, residences, and classrooms.

4. **$250,000 for the Brown Center for Leadership & Service/Machen Florida Opportunity Scholars.** The intent of this funding is to improve the functionality of this office to better serve students.

5. **$205,000 for the Career Connections Center.** The intent of this funding is to improve/replace the audio visual and technology equipment in the meeting/conference rooms.

6. **$150,000 for Recreational Sports.** The intent of this funding is to complete the master plan study.

7. **$25,000 for the Collegiate Veterans' Success Center.** The intent of this funding is for a feasibility study regarding the need for an expanded facility for collegiate veterans that would include size, scope, and potential locations.

The potential for the University of Florida to receive more or less funding was also addressed. If the university receives greater than $7,363,946 for FY24, the committee recommends these funds be allocated to the Hitchcock Field and Fork Pantry project. If the university receives less than $7,363,946 for FY24, the committee recommends decreasing the allocation to the Hitchcock Field and Fork Pantry project.

Following the CITF Committee meeting, the university learned that the Board of Governors revised the CITF allocation to $7,311,826. Given the above recommendation by the committee, the Hitchcock Field and Fork Pantry project would receive $2,156,826.

The CITF Committee also recommends that, at the completion of a project listed above, if any funds remain, those can be transferred to another fiscal year 2023-2024 project based on need as determined by Planning, Design & Construction and Student Life.

On behalf of the CITF Committee, we appreciate your support of these capital projects as they will positively impact the student experience on campus.

Sincerely,

Heather White, Ed.D.
Vice President for Student Life

cc. Dr. Joseph Glover, Senior Vice President and Provost
    Ms. Lauren Lemasters, Student Body President
    Mr. Brian Giunta, Associate Director of Finance, Planning, Design & Construction
    Dr. Nancy Chrystal-Green, Associate Vice President for Student Life
2023-2024 CITF Project List Certification Representations

I hereby certify to the Board of Governors that the projects and proposed funding amounts reflected in the 2023-2024 CITF Project List are hereby submitted to the Board of Governors for approval only after prior consultation with the student government association, pursuant to Section 1013.74(3), Florida Statutes. I understand that any unsubstantiated, false, misleading, or withheld information relating to this statements may render this certification void. My signature below acknowledges that I have read and understand this statements.

<table>
<thead>
<tr>
<th>Certification:</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5/1/23</td>
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</table>

Chief Financial Officer
SUBJECT: Energy Agreement

BACKGROUND INFORMATION

Presently, Duke Energy Florida, LLC (“DEF”) owns and operates a co-generation plant on the University’s campus (the “Plant”) to provide for the entirety of UF’s steam needs. The Plant also produces electricity as a coincidental product of the Plant’s steam generation. The University does not receive a dedicated supply of electricity directly from the Plant; rather, the Plant’s electricity goes back on to DEF’s broader grid from which the University purchases its electricity at the regulated rates as a typical institutional customer. The purchase and sale of steam from the Plant is governed by an existing agreement between the University and DEF (the “Existing Agreement”), but DEF’s obligation to operate the Plant under the Existing Agreement will cease on October 1, 2027.

As a result of DEF’s originally stated intention to decommission the Plant after October 1, 2027, the Board of Trustees, at its June 11, 2021 meeting, approved the University’s pursuit of a public-private partnership (“P3”) as a means of securing an alternative source of campus steam. The University then conducted a competitive solicitation process seeking proposals from qualified developers to engage in a P3 project for a new campus thermal energy plant. However, due to (i) several intervening factors which combined to make any such P3 project considerably more expensive than anticipated (e.g., rising interest rates, disruption to global energy markets, conflicts, inflation, equipment scarcity, etc.), and (ii) DEF shifting its position and now stating that it prefers to continue to operate the Plant over the medium-term, University staff believes it is in the University’s best interest to extend the Existing Agreement with DEF for the provision of steam via the Plant rather than seek a P3 to construct a new facility. For context, note that the estimates from Jacobs Engineering and Goldman Sachs, our P3 consultants, of the P3 project construction costs were originally in the $250-300M range, but due to the factors identified above, their estimate later rose to $500-600M, and the proposal received from the P3 developer was ultimately around $750M.

The conditions under which the University and Duke are proposing to extend the term of the Existing Agreement are generally set forth in the attached executed term sheet (the “Term Sheet”), but the essential terms can be summarized as follows:
• The term of the Existing Agreement for the provision of steam will be extended by 15 years, with at least one, and possibly two (to be negotiated), University options to extend by an additional 7 years each.
• DEF will install, own, operate and maintain new back-up boilers to both provide more reliable steam service to the University and generate additional electricity for the wider grid (removing the University’s existing burden of owning and maintaining its own boilers).
• The University will continue to purchase (i) electricity from DEF as a retail customer, but at a transmission-level tariff rate, which is a significant discount off the prior rate, and (ii) steam at a price fixed by the existing formula, including the existing annual $1M discount.
• DEF will provide up to $100,000 towards site improvements in connection with its installation of the boilers and expanded Plant footprint.
• DEF will continue to support the University through research grants, scholarships, and sponsorships.
• Implementation of the Term Sheet through a definitive agreement between the University and DEF is subject to the Board of Trustees’ approval.

PROPOSED COMMITTEE ACTION
The Facilities and Capital Investments Committee is asked to approve, for recommendation to the Board of Trustees for its approval on the Consent Agenda, the University’s approval of the Term Sheet and authorization for the University President or his designee(s) to negotiate, finalize, and execute a definitive agreement between the University and DEF implementing the terms and conditions of the Term Sheet.

ADDITIONAL COMMITTEE CONSIDERATIONS
Board of Governors approval is not required.

Supporting Documentation Included: UF-DEF Term Sheet

Submitted by: Colt Little, Associate Vice President for Enterprise Projects and Senior Counsel

Approved by the University of Florida Board of Trustees, June 8, 2023

______________________________________________________________________________
Morteza “Mori” Hosseini, Chair                                   Ben Sasse, President and Corporate Secretary
BINDING TERM SHEET

THIS BINDING TERM SHEET ("Term Sheet") is entered into between DUKE ENERGY FLORIDA, LLC ("DEF") and THE UNIVERSITY OF FLORIDA BOARD OF TRUSTEES ("University") (collectively, the "Parties"), as of May _3_ 2023 ("Effective Date").

BACKGROUND:

A. University and DEF are parties to an existing Agreement dated April 11, 2018 (as modified by the First and Second Amendments thereto, the "Master Agreement") concerning certain easements and DEF’s operation of an existing cogeneration facility located on the University’s campus ("Cogeneration Facility").

B. University and DEF are also parties to an existing Amended and Restated Steam Sales Agreement dated April 11, 2018 (as modified by the First Amendment thereto, the "Steam Sales Agreement"), whereby DEF produces, as a by-product of operation of the Cogeneration Facility, steam that the University purchases from DEF at the rate set out in the Steam Sales Agreement.

C. Unless the University takes further action, DEF’s obligation to operate the Cogeneration Facility and to provide steam to the University pursuant to the Master Agreement and Steam Sales Agreement will cease on October 1, 2027.

D. DEF has delivered reliable steam and electric service to University to help ensure the University’s operation of its campus.

E. University has taken electric service from DEF at a transmission level rate, which has generated significant savings for University, since 2019.

F. University desires to find an intermediate energy and steam solution that paves the way for a reduced carbon footprint and accommodates future steam needs on the campus.

G. University desires to utilize the existing facility rather than incur the cost and environmental impact of constructing and integrating a new new facility within the existing system.

H. The Parties intend to continue their long-standing and mutually beneficial relationship by extending and modifying the terms of the existing Master Agreement and Steam Sales Agreement.

I. In order to capture the basic terms of the proposed extension and modification of the Master Agreement and Steam Sales Agreement, the Parties are entering into this Term Sheet, which they intend to fully and legally bind the Parties while a definitive agreement is negotiated and drafted to memorialize the terms and conditions of such extension and modification (the "Definitive Agreement"); the Parties also intend to execute the Definitive Agreement by May 31, 2023.

AGREEMENT:

NOW, THEREFORE, for good and valuable consideration, the Parties, intending to be bound hereby, agree to the following terms:

1. The Parties will extend the terms of the existing Master Agreement and Steam Sales Agreement by 15 years (to 2042), with the University having the option to further extend the terms by an
additional 7-year extension period starting at the end of 2042. Under the current Master Agreement, DEF is obligated to operate the Cogeneration Facility until October 1, 2027. University may exercise various six-month term extension options, but University is obligated to essentially cover DEF’s costs associated with extending the unit’s operation. These six-month extension options will be replaced with the University’s option for one 7-year extension. The Parties further agree to negotiate a second 7-year extension, provided that University notifies DEF, in writing, of its intent to exercise that second option no later than three years before the expiration of the first option (i.e., no later than January 1, 2046) and that the Parties agree to a method to re-calculate the amount of the Steam Discount during that second extension period. If the Parties do not reach agreement on this second extension, the Parties will not be obligated to include any such extension in the Definitive Agreement.

2. At the end of the extended term for the Master Agreement (i.e., 2042, or the end of one or more extension periods), University will have the option to purchase DEF’s Cogeneration Facility (including the plant, boilers, and associated facilities and any improvements made to such facilities). The purchase price will be equal to the remaining net book value (NBV) of the Cogeneration Facility on DEF’s books at the time of closing. University must provide notice of its intent to exercise this purchase option at least six-months before the end of the expiration of the initial term, or applicable extension term, of the Master Agreement. If University exercises this purchase option, University will not be permitted to sell or otherwise transfer the Cogeneration Facility to any other unrelated party (i.e., a party that is not a University affiliate) for ten years after the closing date of the purchase from DEF.

3. DEF will install, own, operate, and maintain, all at DEF’s cost and expense, new back-up boilers (“Boilers”), with increased steam capacity, for the benefit of DEF’s general body of customers including University. These new Boilers, which will replace the existing boilers owned by University and operated by DEF, will be configured such that they can generate additional megawatts of power for the benefit of DEF’s customers. The Boilers will operate during outages at the Cogeneration Facility and during high-risk operational periods to provide auxiliary load to switchyard. The Boilers will result in carbon reduction by generating more power with the same amount of steam, and they will also improve the heat rate of the Cogeneration Facility. University and DEF will negotiate the specific installation timing and specifications for the Boilers, and those details will be included in the Definitive Agreement. DEF will be solely responsible for seeking Florida Public Service Commission approval and any other permits, if required, of the arrangement described herein. DEF shall be obligated to fully implement and carry out the arrangement described herein and its associated obligations without any additional cost or risk to University; provided, however that University shall work in good faith and coordinate with DEF to develop additional reasonable real estate needs, electrical supply services, and a new siting location for the Boilers. The Parties recognize that, as with any construction project, the construction of the Boilers will require certain landscaping changes and improvements to the site. DEF agrees that it will, as part of the Boiler capital project, coordinate with UF on a specific landscaping plan, and contribute up to $100,000 toward such landscaping project.

4. DEF acknowledges that, under the new arrangement and extended Master Agreement and Steam Sales Agreement, University will continue to (a) purchase electricity from DEF at the transmission-level tariff rate for Accounts 9100-8813-3384 (Gainesville substation) and 9100-8813-3540 (Hull Road substation), provided that UF continues to lease the necessary transmission equipment; (b) purchase steam at the price established by the existing formula in the Steam Sales Agreement; and (c) receive the ongoing $1M annual discount to University’s steam purchases.
5. Clean Energy Connection (CEC): CEC is a currently approved, regulated community solar program, in which customers can subscribe to all or a portion of their usage to support the development of utility-scale solar and receive renewable energy certificates (RECs) in exchange. CEC has specific capacity allocations by customer segment. One such segment is large customers, and it is fully subscribed. University is part of the large customer segment and is currently subscribed to offset approximately 65% of its load. DEF recognizes that its current CEC program is fully subscribed, and it is analyzing whether to offer another CEC program in the future. If DEF offers new or extended CEC, and the Public Service Commission approves it, DEF agrees to propose a new universities and higher education institutions customer segment.

6. DEF has committed to collaborate with University facilities and research faculty to jointly seek Department of Energy funding to revolutionize operations with grants available to demonstrate advancement in clean energy. For example, this past summer DEF agreed to be a “Utility Partner Advisor Role” to support two UF grant submittals: (i) DOE Funding Opportunity DE-FOA-0002611, regarding Non-Road Electric Vehicle Charging Concepts; and (ii) DOE Funding Opportunity DE-FOA-0002500, regarding Cybersecurity, Energy Security & Emergency Response. DEF is willing to continue this work as a partner with University on current and/or future such programs.

7. DEF is willing to partner with University researchers and DEF’s industry research partner Electric Power Research Institute (EPRI) to help study and evaluate the transition of the campus steam needs to zero-carbon resources. This could include hydrogen, long duration energy storage that provides high quality steam, electric boilers, or other emerging technologies.

8. DEF has a long history of supporting the University and working closely with the University annually on a number of giving opportunities with sponsorships and donations from Duke Energy shareholders. The Duke Energy Foundation has also historically provided a number of grants to the University. Combined, over the last ten years, the Duke Energy Foundation and DEF have invested more than $620,000 in sponsorships, research and student programs at the University. The Duke Energy Foundation has supported the development of the University’s Mechanical and Aerospace Engineering School for the Energy Sustainability, Technology and Resiliency Testing Hub “e-START” Hub with an investment of $150,000 since 2021. Additionally, a number of DEF employees donate to the University of Florida Foundation annually, donations that are matched by the Duke Energy Foundation. Further, DEF has provided technical guidance and utility advisory support for the University’s energy projects and federal research grant applications. DEF is also proud to support Gator Athletics through a box at Ben Hill Griffin Stadium. While no commitment regarding the Duke Energy Foundation can be made in this Term Sheet or the Definitive Agreement, DEF commits to continuing to advise the University of future potential grant opportunities that may be available from the Duke Energy Foundation. In addition, DEF commits to continuing its technical host-utility advisory role, utility collaboration, and financial support of the University in the additional years of the Master Agreement term.

9. This Term Sheet reflects the current agreement of the parties on certain key terms, but the Parties acknowledge and agree that this Term Sheet in no way contains all material terms and provisions that will be contained in the Definitive Agreement. However, the Parties intend to be bound by this Term Sheet and the terms and conditions it does contain (subject to the caveat of the University’s Board approval set forth below), and specifically acknowledge that the Parties are relying on the terms, conditions,
representations, and promises set forth herein, and the legal enforceability of this Term Sheet. DEF recognizes that, by electing to enter into this Term Sheet, University is foregoing certain other opportunities it has with respect to addressing its energy needs. The Parties further agree to work expeditiously to execute the necessary amendments and agreements to implement the terms and conditions of this Term Sheet into the Definitive Agreement. Notwithstanding anything contained herein, the University is under no obligation to enter into the Definitive Agreement unless and until the University’s Board of Trustees (“Board”) approves the Definitive Agreement, or delegates authority to the University President to finalize and execute such agreement, at the Board’s June 8-9 meeting. If the Board elects not to provide such approval or delegation at that meeting, this Term Sheet shall automatically terminate and the Parties shall be released from their obligations hereunder.

10. This Term Sheet may be executed in one or more counter parts which, taken together, shall constitute one and the same instrument. Electronic signatures hereto shall be binding on the Parties.

IN WITNESS WHEREOF, the parties hereto have caused this Term Sheet to be executed on their behalf by duly authorized representatives, all as of the Effective Date first set forth above.

**UNIVERSITY:**
THE UNIVERSITY OF FLORIDA
BOARD OF TRUSTEES

By: ________________________________
Amy Hass
Vice President and General Counsel
Date: May 3, 2023

**DEF:**
DUKE ENERGY FLORIDA, LLC

By: ________________________________
Melissa Seixas
State President – Florida
Date: May 3, 2023
BOARD MEETING
AGENDA
Thursday, June 8, 2023
~2:35 p.m.
President’s Room 215B, Emerson Alumni Hall
University of Florida, Gainesville, FL

1.0 Call to Order and Welcome ..................................................Morteza “Mori” Hosseini, Chair

2.0 Verification of Quorum ....................... Mark Kaplan, Vice President and University Secretary

3.0 Recognitions ........................................................................Mori Hosseini, Chair

4.0 Public Comment .................................................. Amy Hass, Vice President and General Counsel

5.0 Action Items (Consent) ..................................................Mori Hosseini, Chair

BOT Minutes
March 17, 2023
April 17, 2023 (Virtual Meeting)
May 15, 2023 (Virtual Meeting)

Committee on Academic, Faculty, Student Success, Public Relations and Strategic Communications (AFSSPRSC)
AFSSPRSC1 Tenure Upon Hire
AFSSPRSC2 Annual Tenure Awards
AFSSPRSC3 New Degrees
AFSSPRSC4 Degree Program Termination
AFSSPRSC5 Degree Program Changes

Committee on Audit and Compliance (AC)
AC1 July 1, 2023-June 30, 2024 Office of Internal Audit Work Plan

Committee on Facilities and Capital Investments (FCI)
FCI1 Construction Projects Budget Amendments
FCI2 Parking Fee Restructure for FY24
FCI3 Center for Applied Artificial Intelligence
Committee on Finance, Strategic Planning and Performance Metrics (FSPPM)
FSPPM1 Preliminary Operating Budget FY24
FSPPM2 Estimated Direct Support Organization Use of University Resources for FY24
FSPPM3 Enterprise Resource Planning Vendor Software Selection
FSPPM4 Proposal for Bridge Funding

Committee on Governance, Government Relations and Internal Affairs (GGRIA)
GGRIA1 Direct Support Organization Appointments
GGRIA2 UF Regulation
GGRIA3 Facility Security Clearance

6.0 President’s Report ................................................................. Ben Sasse, President

7.0 New Business........................................................................ Mori Hosseini, Chair

8.0 Comments by the Chair of the Board ............................... Mori Hosseini, Chair

9.0 Adjourn ............................................................................... Mori Hosseini, Chair