



**FLORIDA INTERNATIONAL UNIVERSITY
BOARD OF TRUSTEES
ACADEMIC POLICY AND STUDENT AFFAIRS COMMITTEE**

FIU, Modesto A. Maidique Campus, Graham Center Ballrooms

Thursday, September 12, 2024
11:15 AM

or

Upon Adjournment of Previous Meeting

Chair: Francis A. Hondal

Vice Chair: Alberto R. Taño

Members: Noël C. Barengo, Francesca Casanova,
Dean C. Colson, Natasha Lowell, Roger Tovar – *Athletics liaison*

AGENDA

- | | |
|---|--------------------|
| 1. Call to Order and Chair's Remarks | Francis A. Hondal |
| 2. Approval of Minutes | Francis A. Hondal |
| 3. Action Items | |
| AP1. Tenure as a Condition of Employment Nominations | Elizabeth M. Bejar |
| AP2. Textbook and Instructional Materials Affordability Annual Report | Heather Russell |
| AP3. Honorary Degree Nomination | Elizabeth M. Bejar |
| 4. Information and Discussion Items (<i>No Action Required</i>) | |
| 4.1 First Amendment – Landscape Analysis of Curricular and Non-Curricular Offerings | Elizabeth M. Bejar |
| 4.2 Student Government Updates | Francesca Casanova |
| 4.3 Faculty Senate Updates | Noël C. Barengo |
| 5. Academic Affairs Regular Reports (<i>For Information Only</i>) | |
| I. Academic and Student Affairs | |
| II. Enrollment Management and Services | |

5. Academic Affairs Regular Reports *(Continued...)*

III. Faculty Senate

IV. Florida International University and Baptist Health South Florida
Collaboration

V. Information Technology

VI. Research and Economic Development/ University Graduate
School

6. New Business *(If Any)*

Francis A. Hondal

7. Concluding Remarks and Adjournment

Francis A. Hondal

Meeting Book - 09-12-2024 - FIU Board of Trustees Academic Policy and Student Affairs Committee Meeting

1. Call to Order and Chair's Remarks

Francis A. Hondal

2. Approval of Minutes

Francis A. Hondal

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June 5, 2024 3

3. Action Items

AP1. Tenure as a Condition of Employment Nominations

Elizabeth M. Bejar

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AP2. Textbook and Instructional Materials Affordability Annual Report

Heather Russell

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Transparency Annual Report 44

AP3. Honorary Degree Nomination

Elizabeth M. Bejar

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Recommendation memo from the Faculty Senate Honorary
Degree and Awards Committee 60

4. Information and Discussion Items (No Action Required)

4.1 First Amendment - Landscape Analysis of Curricular and Non-Curricular Offerings

Elizabeth M. Bejar

4.2 Student Government Updates

Francesca Casanova

4.3 Faculty Senate Updates

Noël C. Barengo

5. Academic Affairs Regular Reports (For Information Only)

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6. New Business (If Any)

Francis A. Hondal

7. Concluding Remarks and Adjournment

Francis A. Hondal

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September 12, 2024

Subject: Approval of Minutes of Meeting held June 5, 2024

Proposed Committee Action:

Approval of Minutes of the Academic Policy and Student Affairs Committee meeting held on June 5, 2024.

Background Information:

Committee members will review and approve the Minutes of the Academic Policy and Student Affairs Committee meeting held on June 5, 2024.

Supporting Documentation: Minutes: Academic Policy and Student Affairs Committee meeting, June 5, 2024

Facilitator/Presenter: Francis A. Hondal, *Chair, Academic Policy and Student Affairs Committee*

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Academic Policy and Student Affairs Committee
June 5, 2024
FIU, Modesto A. Maidique Campus, FIU Stadium, Stadium Club

MINUTES

1. Call to Order and Chair's Remarks

The Florida International University Board of Trustees' Academic Policy and Student Affairs Committee meeting was called to order by Committee Chair Natasha Lowell on Wednesday, June 5, 2024, at 10:41 AM.

General Counsel Carlos B. Castillo conducted roll call of the Academic Policy and Student Affairs Committee members and verified a quorum. Present were Trustees Natasha Lowell, *Committee Chair*; Dean C. Colson, *Committee Vice Chair*; Noël C. Barengo; Francesca Casanova; Yaffa Popack; Marc D. Sarnoff; and Roger Tovar, *Board Chair and Athletics Liaison*.

Trustee Cesar L. Alvarez was excused.

The following Board members were also in attendance: Board Vice Chair Carlos A. Duarte, and Trustees, Alan Gonzalez, Francis A. Hondal, Chanel T. Rowe (*Zoom*), and Gene Prescott.

Committee Chair Natasha Lowell introduced and welcomed Student Government Association President and student Trustee Francesca Casanova.

Provost and Executive Vice President Elizabeth M. Bejar echoed Committee Chair Lowell's welcome to Trustee Casanova and mentioned that she has met with Trustee Casanova and Student Government Association Vice President, David Almansa. Provost Bejar advised that the Patricia & Phillip Frost Art Museum Director, Jordana Pomeroy has announced her resignation and commented on her contributions in her role. Provost Bejar added that Miriam Machado is to serve as Interim Director. She noted that a national search for a new director will begin in 2025. Provost Bejar introduced Jacqueline Moise Gibbs who has been appointed Interim Director and Title IX Coordinator in the Office of Civil Rights Compliance and Accessibility (CRCA), noting her prior work experience and responsibilities. Provost Bejar pointed out the new standing section in the Academic Affairs Regular Report on the Florida International University and Baptist Health South Florida Collaboration to provide written updates.

2. Approval of Minutes

Committee Chair Lowell asked if there were any changes or corrections to the minutes of the Academic Policy and Student Affairs Committee meeting held on February 29, 2024. Hearing none, a motion was made and unanimously passed to approve the minutes of the Academic Policy and Student Affairs Committee meeting held on February 29, 2024.

3. Action Items

AP1. Tenure Nominations

Committee Chair Lowell explained that, at the conclusion of the spring semester each year, the administration conducts a thorough review of faculty candidates who are in their sixth year on their track towards tenure. She added that this year, a total of 18 candidates have met the scholarly requirements and have been recommended for tenure after the comprehensive tenure review process was conducted by their respective department, chair, college review committee, dean, Provost, and President.

Provost Bejar explained that FIU has a total of 646 tenured faculty and another 162 tenure-earning faculty out of 1,782 full-time faculty members. She noted that tenured and tenure-earning faculty make up approximately 45% of all full-time faculty members. She pointed out that the agenda materials include biographies for each candidate and a chart outlining the sixth-year tenure review process. Provost Bejar mentioned that each faculty member is expected to demonstrate a significant record of scholarship and contribute at the highest level in the areas of research and/or creative activities, teaching, and service to FIU and their profession. She presented an overview of the tenure review process.

Provost Bejar shared that 24 faculty members were originally part of the 2023-2024 tenure cohort. She detailed that 21 faculty members began their tenure review process in 2023 and that 18 were reviewed. She added that collectively, these candidates for tenure have published in peer-reviewed journals and/or presented their creative works at peer-reviewed venues over 287 times, published 26 single-authored books, and have been awarded 78 grants with awards of over \$40.7M. She added that all faculty are mandatorily evaluated on an annual basis on their annual assignment for research, teaching, and service and are subject to post-tenure review every five (5) years. Board Chair Roger Tovar commented that Provost Bejar and University President Kenneth A. Jessell have met with the tenure candidates.

A motion was made and unanimously passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend to the FIU Board of Trustees approval of the Tenure Nominations as specified in the Board materials.

AP2. Tenure as a Condition of Employment Nominations

Committee Chair Lowell indicated that Tenure as a Condition of Employment (TACOE) is proposed for two (2) candidates and added that to be considered for TACOE, newly hired faculty must qualify for tenure at FIU based on their caliber of work and/or tenure status at their previous institutions. Provost Bejar presented for Committee review the TACOE nominations. She noted that TACOE is reserved for individuals who have achieved highly prestigious academic careers prior to their becoming FIU faculty and have received or are eligible for tenure. She explained that at the time of hire, the faculty candidate understands the expectation that the tenure and rank appointment will be granted upon review of the candidate's materials by the department, the college, Provost, President, and Board of Trustees. She indicated that this is the regular process for tenure and promotion decisions at FIU. Provost Bejar mentioned that she has met with and interviewed the TACOE candidates. She noted that the candidate biographies and curriculum vitas are included in the Board materials. She commented on the TACOE candidates: Dr. Silvana Andreescu, who will be

joining the Robert Stempel College of Public Health & Social Work as a Professor; and Dr. Truong Nghiem, who will be joining the College of Engineering and Computing as an Associate Professor.

A motion was made and unanimously passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend that the FIU Board of Trustees approve of the two candidates for Tenure as a Condition of Employment as specified in the Board materials.

AP3. Reduction of Bachelor of Science in Nursing to 120 Credits

Provost Bejar shared that FIU Nursing Faculty have been working with the State University System to reduce the time to degree. She remarked that due to the nursing shortage, at the request of the Board of Governors (BOG), all State University Systems have reviewed their program plans of progression and time to degree offering. She noted that the minimum required for a baccalaureate degree is 120 credits. She added that the FIU Nursing faculty reduced the number of required credits from 124 to 120. She detailed that one (1) course was eliminated, and one (1) was reduced from three (3) credits to two (2) credits.

A motion was made and unanimously passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend that the FIU Board of Trustees approve the reduction of total degree credits to 120 for the Bachelor of Science in Nursing effective fall 2024.

AP4. New Program Proposal: Master of Science in Financial and Quantitative Analysis

Provost Bejar stated that the College of Business is proposing a new Master of Science in Financial and Quantitative Analysis, consisting of a 36-credit degree program with an emphasis on developing analytical skills needed for managing large financial datasets using machine learning and artificial intelligence-based tools and techniques. She added that graduates will function in financial mathematics areas and detailed that graduates who are well trained in financial modeling and computational finance will be better prepared to make such data-driven decisions and to seek related financial certifications.

A motion was made and unanimously passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend that the FIU Board of Trustees approve the Master of Science in Financial and Quantitative Analysis new program proposal.

AP5. Proposed Amendment to Regulation FIU-105: Sexual Harassment (Title IX) and Sexual Misconduct

Associate General Counsel Ryan Kelley presented the proposed amendments to Regulation FIU-105 Sexual Harassment (Title IX) and Sexual Misconduct. He detailed that the proposed changes include clarifying terms and processes related to investigations and remaining in compliance with the 2020 Final Rule. He added that the proposed amendments also include designating Jacqueline Moise Gibbs as the University's Title IX Coordinator. He detailed that terms were revised, as needed, to more clearly delineate the steps in the investigative process. He noted that the time between receipt of the Notice of Allegation and date of initial party interview has been reduced. Mr. Kelley added that the list of on-campus confidential resources was updated to include the Empowerment Center, which is scheduled to open during the summer 2024 semester. He commented that updates were

made to correct the reporting page information to REPORT.FIU.EDU, where grievances may be reported to CRCA.

A motion was made and unanimously passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend that the FIU Board of Trustees approve the revisions to Regulation FIU-105: Sexual Harassment (Title IX) and Sexual Misconduct, and delegate authority to the University President to approve any subsequent non-material amendments based on comments to the Regulation received from the Florida Board of Governors and as a result of the regulation-making process.

AP6. Proposed Amendment to Regulation FIU-106 Nondiscrimination, Harassment and Retaliation (Title VII)

Mr. Kelley presented the proposed amendments to Regulation FIU-106 Nondiscrimination, Harassment and Retaliation. He indicated that the proposed changes are aimed at clarifying terms and processes related to investigations. He detailed that the revisions include defining the complainant and respondent which were formerly called the aggrieved party and offender, respectively. He commented that the updates also include defining a formal complaint and further clarifying the bases for appeal. He also noted that the amendments reflect the change in the responsible office and officer title to CRCA.

A motion was made and unanimously passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend that the FIU Board of Trustees approve the revisions to Regulation FIU-106 Nondiscrimination, Harassment and Retaliation (Title VII), and delegate authority to the University President to approve any subsequent non-material amendments based on comments to the Regulation received from the Florida Board of Governors and as a result of the regulation-making process.

AP7. Proposed Amendment to Regulation FIU-110 Expressive Activities in Outdoor Areas on Campus

General Counsel Castillo presented the proposed amendments to Regulation FIU-110 Expressive Activities in Outdoor Areas on Campus. He explained that the revisions include adding the word “demonstrations” to the non-exhaustive list of sample activities contained in the definition of “Expressive Activities” in the regulation; clarifying that certain “Expressive Activities” are prohibited from occurring inside of University buildings or University indoor facilities; and numerical changes to the regulation as a result of the addition of the aforementioned section. He also noted that one (1) University representative and office has been designated for the purpose of submitting certain forms under the regulation.

University President Kenneth A. Jessell commented that the University administration reviews the regulations to ensure that they meet their intended purpose. He mentioned potentially reviewing restrictions related to evening activities to ensure the safety of the individuals participating.

A motion was made and unanimously passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend that the FIU Board of Trustees approve the revisions to Regulation FIU-110 Expressive Activities in Outdoor Areas on Campus, and delegate authority to

the University President to approve any subsequent non-material amendments based on comments to the Regulation received from the Florida Board of Governors and as a result of the regulation-making process.

AP8. Proposed Amendment to Regulation FIU-111 Camping

General Counsel Castillo presented the proposed amendment to Regulation FIU-111 Camping. He advised that the proposed change to the regulation includes eliminating the reference to certain “Expressive Activities” in Section 4.

A motion was made and unanimously passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend that the FIU Board of Trustees approve the revision to Regulation FIU-111 Camping, and delegate authority to the University President to approve any subsequent non-material amendments based on comments to the Regulation received from the Florida Board of Governors and as a result of the regulation-making process.

AP9. Proposed Amendment to Regulation FIU-2501 Student Conduct and Honor Code

Associate General Counsel Ryan Kelley presented the proposed amendments to Regulation FIU-2501 Student Conduct and Honor Code. He explained that the proposed changes to the regulation can be summarized as: including violations of Florida Statute 553.865, Safety and Private Spaces Act, updates to clarify process with regards to student organizations; updating the definition of “student” to now include students who are academically dismissed; increasing the number of days to charge an alleged Code violation to 180 calendar days of receiving an incident report; updating and correcting departmental names, website links, and formatting. He noted that the proposed changes have been approved by the Faculty Senate and allowed for student input.

A motion was made and unanimously passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend that the FIU Board of Trustees approve the revisions to Regulation FIU-2501 Student Conduct and Honor Code, and delegate authority to the University President to approve any subsequent non-material amendments based on comments to the Regulation received from the Florida Board of Governors and as a result of the regulation-making process.

AP10. Proposed Amendment to Regulation FIU-2504 Student Religious Observances, Practices, and Beliefs

Mr. Kelley presented the proposed amendments to Regulation FIU-2504 Student Religious Observances, Practices, and Beliefs. He explained that the proposed changes to the regulation include listing the central reporting page REPORT.FIU.EDU, and updates to the office responsible for administering grievances.

A motion was made and unanimously passed that the FIU Board of Trustees Academic Policy and Student Affairs Committee recommend that the FIU Board of Trustees approve the revisions to Regulation FIU-2504 Student Religious Observances, Practices, and Beliefs, and delegate authority to the University President to approve any subsequent non-material amendments based on comments to the Regulation received from the Florida Board of Governors and as a result of the regulation-making process.

4. Information and Discussion Items

4.1 Post Tenure Review

Provost Bejar explained that tenured faculty members, following the award of tenure or their most recent promotion, per BOG regulation 10.003 underwent “a comprehensive post-tenure review.” She noted that this process is intended to replace the prior sustained performance evaluation (SPE). She added that in September 2023, the Board of Trustees approved Regulation FIU-2508 Post-Tenure Faculty Review establishing the University’s post-tenure review regulation. She detailed that one of the requirements of Regulation FIU-2508 is for the provost to report annually to the Board of Trustees the outcome of the post tenure review process. She detailed that the review period is five (5) years and that the current review period is fall 2019 through spring 2024. Provost Bejar presented an overview of the post-tenure review procedures and the post-tenure review population and outcomes. Regarding the post-tenure review outcomes, she delineated the evaluation ratings. In terms of the post-tenure review population, she detailed that 2023-2024 was a pilot year and commented on the faculty composition of the new cohort.

She mentioned that there was a total of 40 faculty selected for post-tenure review and that only 38 were evaluated because one (1) faculty member resigned and another retired. She detailed that at the conclusion of the post-tenure review process 25 tenured faculty exceeded expectations, 11 were deemed to meet expectations and two (2) were evaluated as does not meet expectations. She detailed that the 25 tenured faculty who exceeded expectations represent over 550 articles, 10 books, 25 book chapters, and over \$120M in research funding. Trustee Dean C. Colson commented on the results of the post-tenure review process.

4.2 Planned New Academic Degree Program Proposals

Provost Bejar explained that the Board of Governors amended Board Regulation 8.011, Authorization of New Academic Degree Programs and Other Curricular Offerings, on March 27, 2024. She detailed that the amended regulation requires universities to provide the Board office with a list of the new academic degree programs – as an informational item for discussion – that will be considered by the university boards of trustees for the upcoming academic year. She provided an overview of the anticipated new academic programs for the 2024-2025 academic year. She pointed out that there are two (2) anticipated bachelor’s degrees: 1) Philosophy, Politics & Economics and 2) National Security. She mentioned that there are four (4) anticipated graduate degrees including: 1) Master’s in Urban Policy & Data Analytics, 2) Master’s in Public Policy Leadership, 3) Master’s in Project Management, and 4) Master’s in Taxation.

4.3 Student Government Updates

Trustee Francesca Casanova introduced herself, noting that she is majoring in civil engineering, and serving as the President of the FIU Panhellenic Council and President of the FIU Student Government Association (SGA). She mentioned that FIU provides students with a high return on investment and noted that the University was ranked #4 by the *Wall Street Journal*. She commented that the main focus of SGA will be cultivating and improving the student experience. She noted that SGA is committed to advocating for the students of FIU. She mentioned that as the FIU Class of 2028 is welcomed to the University, SGA has been participating in and supporting events such as Orientation, Panther Convocation, and F1IRST NIGHT to engage with incoming students and fellow student leaders.

4.4 Faculty Senate Updates

Trustee Noël C. Barengo mentioned that the Faculty Senate has met four (4) times from February to April 2024, and is scheduled to meet two (2) more times in the summer semester. He commented that during the April 2024 Faculty Senate meeting Trustee Barengo and Dr. Sneh Gulati were elected to serve two (2) year terms as Faculty Senate Chair and Vice-chair, respectively. He remarked that the Faculty Senate is still working to elect a secretary. He added that the Faculty Senate approved several changes to the University Core Curriculum (UCC) in accordance with BOG Regulation 8.005 General Education Course Options. He detailed that the art category was removed, and that Public Speaking (SPC 2608) was approved as a mandatory course. He commented on the Faculty Senate's involvement in the FIU 2030 Strategic Plan and the post-tenure review processes. He mentioned that the Faculty Senate worked with Athletic Director Scott Carr to provide an update and explore faculty opportunities to assist with the athletics program. He commented that faculty have been nominated for awards and will be recognized at the Faculty Convocation on September 26, 2024. Trustee Barengo thanked the Deans of the Robert Stempel College of Public Health and Social Work, College of Business, and College of Engineering and Computing for hosting the Faculty Get-Togethers. He commented that Faculty Senate meetings will be held in person as of fall 2024.

5. Academic Affairs Regular Reports

There were no questions from the Committee members in terms of the Academic Affairs regular reports included as part of the agenda materials.

6. New Business

In response to Trustee Francis A. Hondal, Provost Bejar advised that there will be a second workshop of the Strategic Planning Committee. President Jessell added that faculty are involved in the strategic planning process and noted the importance of collaboration with faculty. In response to Committee Chair Lowell, Provost Bejar confirmed that there will be a workshop of the Strategic Planning Committee scheduled before the end of 2024.

7. Concluding Remarks and Adjournment

With no other business, Committee Chair Natasha Lowell adjourned the meeting of the Florida International University Board of Trustees Academic Policy and Student Affairs Committee on Wednesday, June 5, 2024, at 11:48 AM.

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September 12, 2024

Subject: Tenure as a Condition of Employment Nominations

Proposed Action:

Florida International University Board of Trustees approval of two (2) candidates for Tenure as a Condition of Employment (TACOE).

Background Information:

Pursuant to Florida Board of Governors Regulation 1.001(5)(a), each board of trustees shall provide for the establishment of the personnel program for all the employees of the university, including but not limited to tenure.

The TACOE nominees hold tenure at their previous institution and have been selected to receive TACOE based on the caliber of their work.

Supporting Documentation: Tenure as a Condition of Employment Nominees

- Overview
- Bios
- Curriculum Vitas

Facilitator/Presenter: Elizabeth M. Bejar

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Florida International University
Tenure as a Condition of Employment Nomination - September 2024

Name	College	Department	Proposed Rank
Stacey Pavelko	Nicole Wertheim College of Nursing and Health Sciences	Department of Communication Sciences & Disorders	Associate Professor
Navid Tahvildari	College of Engineering & Computing	Civil and Environmental Engineering	Associate Professor

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Dr. Stacey Pavelko



Tenure as a Condition of Employment Department of Communication Sciences & Disorders Nicole Wertheim College of Nursing and Health Sciences

Dr. Pavelko received her Ph.D. from University of Central Florida, School of Education, Communication Sciences and Disorders Track in 2011. After her Ph.D. she joined James Madison University (JMU), Harrisonburg, Va, College of Health and Behavioral Studies' Department of Communication Sciences and Disorders (2011-2019). Her tenure was granted in 2017 at JMU. Since 2022, she has served as a tenured Associate Professor at Binghamton University's Decker College of Nursing and Health Sciences, Division of Speech and Language Pathology.

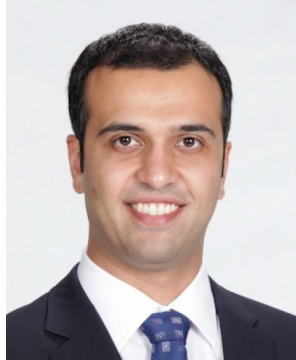
Dr. Pavelko has published over 25 peer-reviewed manuscripts and four book chapters and has secured several grants as part of her scholarship at both Binghamton University and James Madison University. Dr. Pavelko has also published 34 scholarly works with Dr. Robert Owens, a well-known scholar in Language Development, Sciences, and Disorders in Communication Sciences.

Dr. Pavelko has designed courses and taught at all levels (undergraduate, graduate, and doctorate). Many of the courses she has taught align with the needs of the CSD Department, such as *Language Development*, *Language & Phonological Disorders*, *Pediatric Speech Sound Disorders*, and *Advanced Children's Language Disorders*. Dr. Pavelko has served on four Ph.D. and master thesis committees.

In 2019, she was inducted as a Distinguished Scholar of the National Academies of Practice (NAP) and has served for the past two years as the chairperson of the Nominating Committee. She was also a contributing member of the strategic planning subcommittee. Currently, she serves as the as the editor for *SIG1 Perspectives* (2022-2027). She is also a member of the SIG1 Coordinating Committee (ASHA). I expect she will continue same level of engagement at FIU.

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Navid Tahvildari



Tenure as a Condition of Employment Department of Civil and Environmental Engineering College of Engineering & Computing

Dr. Tahvildari received his Ph.D. in Civil Engineering from Texas A&M University in 2011 with a focus on Coastal and Ocean Engineering. From 2012 to 2014, he was a postdoctoral research associate at Stanford University. In 2014, he joined Old Dominion University (ODU) as a tenure-track Assistant Professor. He was tenured and promoted to Associate Professor in 2021. Dr. Tahvildari is joining FIU as a tenured Associate Professor as a condition of employment.

Dr. Tahvildari's research focuses on water wave mechanics, wave impacts on the built infrastructure, wave interactions with coastal vegetation and sediments, storm surge flooding, coastal compound flooding, nature-based solutions for coastal hazards mitigation, and infrastructure impacts of coastal flood hazards in the face of climate change and sea level rise. He uses physics-based modeling, machine learning, and field observations to conduct his research. He has published 18 peer-reviewed journal publications, one book chapter, and ten conference proceedings.

Dr. Tahvildari has supervised three postdoctoral research associates, four Ph.D. students, 12 M.S. students and taught many graduate and undergraduate courses at ODU. He has also taught coastal infrastructure resiliency as a part of a multi-disciplinary multi-institution course on transportation infrastructure sustainability.

Dr. Tahvildari has an impressive record of service to his field, University, and community, including serving as Director of the Coastal Engineering Institute at ODU. He is actively engaged in the profession and has a strong record of impactful community engagement.

Dr. Tahvildari will contribute significantly to the Department of Civil and Environmental Engineering in the College of Engineering & Computing.

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Stacey L. Pavelko, Ph.D., CCC-SLP, FNAP

Associate Professor
Binghamton University

EDUCATION

University of Central Florida 2011
Ph.D., School of Education, Communication Sciences and Disorders Track
Dissertation Title: *Emergent Writing in Preschool Children with Language Impairment*

University of Pittsburgh 2002-2005
Doctoral Student, Department of Communication Science and Disorders

DGFS Summer Institute in Linguistics 2002

Purdue University
M.A. Linguistics 2001
Thesis: *Copula Use in African American Speaking Children, Standard American English Speaking Children, and SAE- with SLI.*

Youngstown State University
B.A. English 1999

COLLEGIATE TEACHING

Associate Professor 2022-Present
Binghamton University
Undergraduate Teaching: Phonetics
Doctoral Teaching: Teaching & Professional Issues in Health Sciences: Systematic Review & MetaAnalysis

Associate Professor and Assistant Program Director 2019-2021
University of St. Augustine for Health Sciences
Online SLP Masters Teaching: Clinical Practicum V

Associate Professor 2017-2019
James Madison University
Undergraduate Teaching: Phonetics, Language & Phonological Disorders;
Interprofessional Practice in Schools
SLP Masters Teaching: Advanced Children's Language Disorders
Doctoral Teaching: Experimental Phonetics, Seminar in Children's Language Disorders, Seminar in Systematic Reviews
Online Teaching: Advanced Studies in Phonological Disorders, Advanced Children's Language Disorders

- Assistant Professor** 2011-2017
James Madison University
Undergraduate Teaching: Phonetics, Language & Phonological Disorders, Interprofessional Practice in Schools
SLP Masters Teaching: Advanced Studies in Phonological Disorders, Internship in Speech Practicum, Advanced Internship in Speech Practicum
Online Teaching: Advanced Studies in Phonological Disorders, Advanced Children's Language Disorders
- Lead Course Instructor** 2018-2019
University of St. Augustine for Health Sciences
Online SLP Masters Teaching: Speech Sound Disorders
- Subject Matter Expert** 2018
University of St. Augustine for Health Sciences
Online Course Design: Speech Sound Disorders
- Graduate Teaching Assistant** 2008-2011
University of Central Florida
Undergraduate Teaching: Language Science, Language Analysis, Language Analysis Lab
- Adjunct Faculty** 2007-2008
Broward Community College
Undergraduate Teaching: Business Writing
- Graduate Teaching Assistant** 1999-2002
Purdue University
Undergraduate Teaching: Composition I, Composition II, Business Writing, Technical Writing

PUBLICATIONS

Peer-Reviewed Publications

- Owens, R.E., Pavelko, S.L., & Hahs Vaughn, D. (2024). Growth of Complex Syntax: Coordinate and Subordinate Clause Use in Elementary School-Aged Children. *Language, Speech, and Hearing Services in Schools. ePub Ahead of Issue.*
- Pfeiffer, D.L., & Pavelko, S.L. (2023). Evidence-Based Guidance for Alphabet Knowledge Across Service Delivery Models. *Perspectives. Advanced online publication.*
- Pavelko, S. L., & Owens, R.E. (2023). A Sweet Tutorial to the SUGAR Method of Language Sampling. *Perspectives. 8(1), 32-49.*
- Pfeiffer, D., Pavelko, S.L., Bronaugh, D. (2022). Get Out of Your Silo: A Qualitative Examination of an Interprofessional Undergraduate Course. *Perspectives. 7(6), 1870-1884.*

- Lenhart, M.H., Timler, G.R, Pavelko, S.L., Bronaugh, D.A., & Dudding, C.C. (2022). Syntactic Complexity Across Sampling Contexts in School-Age Children, Ages 8-11 years. *Language, Speech, and Hearing Services in School*. 51(4), 1168-1176.
- Pfeiffer, D., Pavelko, S.L., Allen-Bronaugh, D., Dudding, C., & Timler, G. (2022). A Practice-Based Interprofessional Emergent Writing Intervention: Impacts on Graduate Student's and Preschoolers. *Teaching and Learning in Communication Sciences and Disorders*. 6(1), Article 3.
- Pavelko, S. L., Price, L.R., & Owens, R.E. (2020). Revisiting Reliability: Using SUGAR to Compare 25- and 50- Utterance Language Samples. *Language, Speech, and Hearing Services in Schools*. 51(3), 778-794.
- Owens, R. E., Pavelko, S. L. (2020). Sampling Utterances and Grammatical Analysis Revised (SUGAR): Quantitative Values for Language Sample Analysis Measures in 7- to 11-year-old children. *Language, Speech, and Hearing Services in Schools*. 51(3), 734-744.
- Pfeiffer, D.L, Pavelko, S.L., Hahs-Vaughn, D.L., & Dudding, C.C. (2019). A National Survey of Speech-Language Pathologists' Engagement in Interprofessional Collaborative Practice in Schools: Identifying Predictive Factors and Barriers to Implementation. *Language, Speech, and Hearing Services in Schools*. 50(4), 639-655.
- Pavelko, S. L., & Owens, R.E. (2019). SUGAR (Sampling Utterances and Grammatical Analysis Revised): Breaking Tradition. *Language, Speech, and Hearing Services in Schools*, 50(3), 452-456.
- Pavelko, S. L., & Owens, R.E. (2019). Diagnostic Accuracy of the SUGAR (Sampling Utterances and Grammatical Analysis Revised) Measures for Identifying Children with Language Impairment. *Language, Speech, and Hearing Services in Schools*, 50(2), 211-223.
- Strunk, J., Kipps-Vaughan, D., Pavelko, S.L., Allen- Bronaugh, D., Myers, K., Gilligan, T., Kielty, M., Richardson, E., & Tacy, J. (2018). Interprofessional Education for Pre-Service School-Based Professionals: Faculty and Student Collaboration. *Teaching and Learning in Communication Sciences and Disorders*, 3(1), 1-17.
- Owens, R. E., Pavelko, S. L., & Bambinelli, D. (2018). Moving Beyond Mean Length of Utterance: Analyzing Language Samples to Identify Intervention Targets. *Perspectives ASHA SIGs*, 3 (SIG 1), 5–22.
- Pfeiffer, D.L., Pavelko, S.L., & Ingram, S.B. (2018). Interprofessional Education for Preprofessional Speech-Language Pathologists and General-Education Teachers. *EBP Briefs*, 13(1). Bloomington, MN: NCS Pearson, Inc
- Pavelko, S., Lieberman, R.J., Schwartz, J., & Hahs-Vaughn, D. (2018). The Contributions of Phonological Awareness, Alphabet Knowledge, and Letter Writing to Name Writing in Children with Specific Language Impairment and Typically Developing Children. *American Journal of Speech Language Pathology*, 27(1), 166-180.
- Pavelko, S. L. & Owens, R. E. (2017). Sampling Utterances and Grammatical Analysis Revised (SUGAR): New Normative Values for Language Sample Analysis Measures. *Language, Speech, and Hearing Services in Schools*, 48(3), 197-215.
- Pavelko, S.L., Lieberman, R.J., Schwartz, J., Hahs-Vaughn, D., & Nye, C. (2017). The Development of Writing Skills in 4-year-old Children with and without Specific Language Impairment, *Clinical Linguistics & Phonetics*, 31, 682-696.

- Owens, R.E., & Pavelko, S.L. (2017). Relationships among Conversational Language Samples and Norm-Referenced Test Scores. *Clinical Archives of Communication Disorders*, 2, 43-50.
- Pavelko, S.L, Owens, R., Ireland, M., & Hahs-Vaughn, D.L. (2016). Use of Language Sample Analysis by School Based SLPs: Results of a Nationwide Survey. *Journal of Speech, Language, and Hearing Services in Schools*, 47(3), 246-258.
- Pavelko, S.L, Malani, M.D., Lieberman, R.J., & Hahs-Vaughn, D.L. (2015). Factors Influencing Undergraduate's Choices in Graduate School Programs in Communication Sciences and Disorders. *Contemporary Issues in Communication Science and Disorders*, 42, 140-157.
- Virginia Department of Education. (2015). *Comprehensive Assessment Reference for Speech-Language Pathology*. Richmond, VA: Author.
- Pavelko, S. (2010). Pre-Literacy Interventions for Preschool Students. *EBP Briefs* 5(3), 1–9. Bloomington, MN: Pearson.
- Murza, K.A., Pavelko, S.L, Malani, M.D., & Nye, C. (2010). B₆-Mg Treatment for Autism: The Current Status of the Research. *Magnesium Research*, 23, 115-117.
- Pavelko, S.L., Johnson, J., O'Brien, K., & Schwartz, J. (2010). Does Storybook Reading Increase Vocabulary Skills in At-Risk Preschoolers? Campbell Collaboration Protocol Accepted, www.campbellcollaboration.org.
- Pavelko, S & Nye, C. (Commentary Authors), (2009). Dysphagia Treatments for People with Neurological Disorders may offer Limited Improvement for Selected Swallowing Outcomes Based on Limited Evidence. *Evidence-Based Communication Assessment and Intervention*, 3, 141-144.
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Book Chapters

- Pavelko, S. (2017). Instructors resource manual. In V. Reed (Ed). *An Introduction to Children with Language Disorders*, 5th Ed. New Jersey: Pearson.
- Pavelko, S. (2017). Intellectual Disabilities. In V. Reed (Ed). *An Introduction to Children with Language Disorders*, 5th Ed. New Jersey: Pearson.
- Eberwein, C., Pavelko, S., & Pratt, S. (2008). OAVS (Goldenhar Syndrome). In: M. McNeil (Ed.), *Clinical Management of Sensorimotor Speech Disorders*, 2nd Ed. New York: Thieme.
- Pavelko, S., Eberwein, C., & Pratt, S. (2008). Alport Syndrome. In: M. McNeil (Ed.), *Clinical Management of Sensorimotor Speech Disorders*, 2nd Ed. New York: Thieme.

Peer-Reviewed Electronic Publications

- Pavelko, S.L. (January, 2022). *Evidenced-Based Practices in Assessment: Purposes and Types of Assessment*. Online Modules for James Madison University.
- Pavelko, S.L. (January, 2022). *Evidenced-Based Practices in Assessment: Standardized Assessments*. Online Modules for James Madison University.

- Pavelko, S.L. (January, 2022). *Evidenced-Based Practices in Assessment: Putting it all Together*. Online Modules for James Madison University.
- Pavelko, S. (2016). SUGAR: Knowledge Check for Modules 1 &2. Retrieved from http://www.doe.virginia.gov/special_ed/disabilities/speech_language_impairment/professional-development/index.shtml
- Pavelko, S. (2016). SUGAR: Knowledge Check for Module 3. Retrieved from http://www.doe.virginia.gov/special_ed/disabilities/speech_language_impairment/professional-development/index.shtml
- Pavelko, S. (2016). SUGAR: Knowledge Check for Module 4. Retrieved from http://www.doe.virginia.gov/special_ed/disabilities/speech_language_impairment/professional-development/index.shtml
- Pavelko, S., & Owens, R. (2014). SUGAR: Sampling Utterances and Grammatical analysis Revisited: Background and Rationale. Retrieved from http://www.doe.virginia.gov/special_ed/disabilities/speech_language_impairment/index.shtml
- Pavelko, S., & Owens, R. (2014). SUGAR: Sampling Utterances and Grammatical analysis Revisited: Getting a More Robust Sample. Retrieved from http://www.doe.virginia.gov/special_ed/disabilities/speech_language_impairment/index.shtml
- Owens, R., & Pavelko, S. (2014). SUGAR: Sampling Utterances and Grammatical analysis Revisited: Transcribing and Analyzing Samples. Retrieved from http://www.doe.virginia.gov/special_ed/disabilities/speech_language_impairment/index.shtml
- Owens, R., & Pavelko, S. (2014). SUGAR: Sampling Utterances and Grammatical analysis Revisited: Interpretation & Complete Analysis. Retrieved from http://www.doe.virginia.gov/special_ed/disabilities/speech_language_impairment/index.shtml
- Pavelko, S., & Owens, R. (2014). SUGAR: Sampling Utterances and Grammatical analysis Revisited: Case study. Retrieved from http://www.doe.virginia.gov/special_ed/disabilities/speech_language_impairment/index.shtml

Theses & Dissertations

- Lenhart, M. (2020). *Language Sample Analysis*. Ph.D. Dissertation Committee Member.
- Pritzker, E. (2020). *Pragmatic Language and Behavioral and Emotional Functioning-A Systematic Review: Implications for Research and Interprofessional Practice*. PsyD Dissertation Committee Member.
- Moss, D. (2019). Ph.D. Advisory Committee Member.
- Cornwell, M. (2019). *Examining the effectiveness of interprofessional collaboration for preprofessional speech-language pathology and occupational therapy graduate students*. JMU UG Honor's Thesis Advisor.
- Pfeiffer, D. (2018). *Preparing Speech-Language Pathologists for Interprofessional Collaborative Practice*. Co-Chair, Ph.D. Dissertation Committee. JMU Graduate School Outstanding Dissertation Award.
- Scribano, S. (2018). *Examining Verb Usage in English Learners*. JMU UG Honor's Thesis Advisor.

Cooper, D. (2015). *Evidence-Based Practices in Selecting Standardized Assessments of Child Language*. JMU UG Honor's Thesis Advisor. CSD Outstanding Research Award

PRESENTATIONS

Peer Reviewed Presentations

- Pfeiffer, D., & Pavelko, S. (November, 2023). *Evidence-Based Emergent Literacy Assessment and Intervention across Service Delivery Models*. Paper presented at the American Speech Language Hearing Association Annual Convention, Boston, MA.
- Owens, R., & Pavelko, S. (November, 2023). The I in Intervention: Using SUGAR to Identify Intervention Goals in School-Aged Children. Paper presented at the American Speech Language Hearing Association Annual Convention, New Orleans, LA.
- Pavelko, S., & Owens, R. (November, 2022). *SUGAR Cubes: The Building Blocks of Language Sample Analysis*. Paper presented at the American Speech Language Hearing Association Annual Convention, New Orleans, LA.
- Owens, R., & Pavelko, S. (November, 2021). *Identifying Intervention for Older School-age Children Through SUGAR (Sampling Utterances and Grammatical Analysis Revised)*. Paper presented at the American Speech Language Hearing Association Annual Convention, Washington, DC.
- Benway, N., Owens, R., & Pavelko, S. (November, 2021). *Introducing SPOON: Automated SUGAR Language Sample Analysis*. Poster presented at the American Speech Language Hearing Association Annual Convention, Washington, DC.
- Lenhart, M.H., Pavelko, S.L., Bronaugh, D.A Timler, G.R, & Dudding, C.C. (November, 2021). *Age-Related Changes Across Sampling Contexts for Older School-Aged Children*. Poster presented at the American Speech Language Hearing Association Annual Convention, Washington, DC.
- Owens, R. & Pavelko, S. (2020, November). *Numbers don't lie, but they can deceive: Identifying intervention goals behind the SUGAR metrics*. Paper presented at the American Speech Language Hearing Association Annual Convention, San Diego, CA.
- Lenhart, M. & Pavelko, S. (2020, November). *SUGAR and SALT: Does your language sample analysis method impact your conclusions?* Paper presented at the American Speech Language Hearing Association Annual Convention, San Diego, CA.
- Pavelko, S. & Owens, R. (2020, July). *SUGAR: A Language Sampling Tool for SLPs*. Paper presented at the American Speech-Language Hearing Association Connect Online Convention.
- Owens, R., & Pavelko, S. (2019, November). *New Horizons: Using SUGAR for Older School-Age Language Sample Analysis*. Paper presented at the American Speech-Language Hearing Association National Convention, Orlando, FL.
- Pavelko, S.L., Allen-Bronaugh, D., & Pfeiffer, D., (2019, October). *Developing interprofessional competencies for undergraduate students*. Paper presented at the Collaborating Across Borders (CAB) Conference, Indianapolis, IN.

- Pfeiffer, D., & Pavelko, S (2019, October). *Effects of an interprofessional writing intervention for preschoolers*. Paper presented at the Collaborating Across Borders (CAB) Conference, Indianapolis, IN.
- Pavelko, S.L., & Owens, R. (2018, November). *SUGAR: Life, Liberty and the Pursuit of Sampling*. Paper presented at the American Speech-Language Hearing Association National Convention, Boston, MA
- Owens, R., & Pavelko, S. L. (2018, November). *Boston Tea Parties are Better with a Little SUGAR: Identifying Intervention Targets*. Paper presented at the American Speech-Language Hearing Association National Convention, Boston, MA.
- Pfeiffer, D. L., & Pavelko, S. L. (2018, November). *Interprofessional Practice for School-Based SLPs*. Paper presented at the American Speech-Language Hearing Association National Convention, Boston, MA.
- Pfeiffer, D. L., & Pavelko, S. L. & Richardson, E. (2018, November). *Graduate Speech-Language Pathologists' and Occupational Therapists' Engagement in Interprofessional Emergent Writing Interventions*. Paper presented at the American Speech-Language Hearing Association National Convention, Boston, MA.
- Pfeiffer, D. L., Pavelko, S. L., & Allen-Bronaugh, D. (2018, November). *Three Ways to Incorporate Interprofessional Education into Your CSD Program*. Paper presented at the American Speech-Language Hearing Association National Convention, Boston, MA.
- Pfeiffer, D. L., Pavelko, S. L., & Allen-Bronaugh, D. (2018, July). *Interprofessional Course for Preprofessional Educators and Speech-Language Pathologists*. Poster presented at the 2018 Nexus Summit, Minneapolis, MN.
- Pfeiffer, D. L., Pavelko, S. L., & Richardson, L. (2018, July). *Interprofessional Emergent Writing Intervention for Preschoolers*. Poster presented at the 2018 Nexus Summit, Minneapolis, MN.
- Pfeiffer, D.L., Pavelko, S.L., & Dudding, C. (March, 2018). *Interprofessional Practice in Schools: A Survey of Speech-Language Pathologists*. Poster presented at the Speech-Language Hearing Association of Virginia Conference, Williamsburg, VA.
- Scribano, S., & Pavelko, S.L. (March, 2018). *Examining Verb Usage in English Learners*. Poster presented at the Speech-Language Hearing Association of Virginia Conference, Williamsburg, VA.
- Pfeiffer, D.L., Pavelko, S.L., & Dudding, C. (November, 2017). *Interprofessional Collaborative Practice in Schools: A Survey of Speech-Language Pathologists*. Paper presented at the American Speech-Language Hearing Association National Convention, Los Angeles, CA.
- Pfeiffer, D.L., Pavelko, S.L., Ingram, S.B., & Reed, V.A. (2017). *Interprofessional Collaboration in Elementary Schools: A Systematic Review of Interprofessional Education for Preprofessional General Education Teachers and Speech-Language Pathologists*. Paper presented at the Collaborating Across Borders VI Conference, Alberta, Canada.
- Pavelko, S., Owens, R. Babinelli, D., & Saunders, A. (November, 2016). *What to do after MLU: From Samples to Intervention Goals*. Paper presented at the American Speech-Language Hearing Association National Convention, Philadelphia, PA.

- Pavelko, S., Owens, R., & Johnson, V. (November, 2016). *The New Normal: New Norms for Language Sample Analysis of Children*. Paper presented at the American Speech-Language Hearing Association National Convention, Philadelphia, PA.
- Pavelko, S. & Owens, R. (July, 2016). *Language Sample Analysis: A SUGAR-y Treat*. Paper presented at the International Clinical Phonetics and Linguistics Association Conference, Halifax, Canada.
- Pavelko, S., Lieberman, R., Nye, C., Schwartz, J., & Hahs-Vaughn, D. (July, 2016). *The Development of Writing Skills in 4-year-old Children with Language Impairment*. Paper presented at the International Clinical Phonetics and Linguistics Association Conference, Halifax, Canada.
- Stewart, A., Akerson, E., Sanford, J., McGuire, L., Mast, M., Pavelko, S... Hulton, L. (September, 2015). *Strategies for Climate Change: Building a Positive and Sustainable Interprofessional Identity*. Paper presented at the Collaborating Across Borders V Conference, Roanoke, VA.
- Strunk, J., Kipps-Vaughan, D., Richardson, E., Gilligan, T., Kielty, M., Pavelko, S., & Allen-Bronaugh, D. (September, 2015). *Beginning Interprofessional Education: How a One-Day Seminar can Introduce IPE to Graduate and Undergraduate Students*. Paper presented at the Collaborating Across Borders V Conference, Roanoke, VA.
- Owens, R., Pavelko, S. & Lavasani, Z. (November, 2015). *Bye-Bye Roger: Rethinking Dr. Brown's Language Sample Collection & Analysis*. Paper presented at the American Speech-Language Hearing Association National Convention, Denver, CO.
- Pavelko, S., Ingram, S., Clinard, E., & Yoder, J. (November, 2015) *Infusing Evidence-Based Practice into SLP Graduate Student Clinical Practicum*. Poster presented at the American Speech-Language Hearing Association National Convention, Denver, CO.
- Cooper, D., & Pavelko, S. (March, 2015). *Evidence Based Practices in Selecting Standardized Language Assessments*. Poster presented at the Speech-Language Hearing Association of Virginia Conference, Richmond, VA.
- Pavelko, S., Ingram, S., Clinard, E., Hiatt, K., Yoder, J. (March, 2015). *Infusing Evidence-Based Practice into SLP Graduate Student Clinical Practicum*. Poster presented at the Speech-Language Hearing Association of Virginia Conference, Richmond, VA.
- Pavelko, S. & Ireland, M. (March, 2015). *The Science Guiding Appropriate Selection of Standardized Tests*. Paper presented at the Speech-Language Hearing Association of Virginia Conference, Richmond, VA.
- Pavelko, S. & Ireland, M. (November, 2014). *Beyond Reliability and Validity: Evidence Based Practices in Test Selection*. Paper presented at the American Speech-Language Hearing Association National Convention, Orlando, FL.
- Pavelko, S. & Ireland, M. (July, 2014). *Evidence-Based Practices in Assessment: Choosing an Appropriate Test*. Poster presented at the ASHA Schools Conference, Pittsburgh, PA.
- Pavelko, S. (2014, March). *Integrating Language Sample Analysis into School Practice*. Paper presented at the Speech-Language Hearing Association of Virginia Conference, Williamsburg, VA.

- Pavelko, S., Malani, M., & Lieberman, R.J. (November, 2013). *A Changing Student Body: Factors Influencing Students' Choice of Graduate Programs*. Paper presented at the American Speech-Language Hearing Association National Convention, Chicago, IL.
- Pavelko, S., Owens, R., & Laverdure, M. (November, 2013). *Teaching an Old Dog New Tricks: Using Language Sampling for Screening & Diagnosis*. Paper presented at the American Speech-Language Hearing Association National Convention, Chicago, IL.
- Malani, M., Murza, K., Proly, J., Davis, K., Pavelko, S., Zadroga, C. (November, 2011) *Clinical Education for Clinical Educators: Examining the Supervisory Process*. Paper presented at the American Speech-Language Hearing Association National Convention, San Diego, CA.
- Pavelko, S. & Lieberman, R.J. (November, 2011). *Emergent Writing Skills in Preschool Children with Language Impairment*. Paper presented at the American Speech-Language Hearing Association National Convention, San Diego, CA.
- Pavelko, S., Murza, K., Malani, M., Zadroga, C., Davis, K., & Proly, J. (November, 2011). *Stories from the Frontlines: Pursuing the PhD*. Paper presented at the American Speech-Language Hearing Association National Convention, San Diego, CA.
- Pavelko, S., Malani, M., & Zadroga, C. (November, 2011). *A Survey of Factors Influencing Undergraduate Choice in Graduate Programs*. Paper presented at the American Speech-Language Hearing Association National Convention, San Diego, CA.
- Ehren, B., Murza, Davis, K., Malani, M., Pavelko, S., & Zadroga, C. (November, 2010). *Evidence-Based Professional Development: Differentiated, Transformational Learning for School SLPs*. Paper presented at the American Speech-Language Hearing Association National Convention, Philadelphia, PA.
- Pavelko, S., Zadroga, C., & Malani, M. (November, 2010). *Creating a Survey of Undergraduate Students in Communication Sciences and Disorders*. Paper presented at the American Speech-Language Hearing Association National Convention, Philadelphia, PA.
- Pavelko, S., & Lieberman, R. J. (November, 2010). *Evaluating the Psychometric Properties of Preschool Language and Literacy Tests*. Paper presented at the American Speech- Language Hearing Association National Convention, Philadelphia, PA.
- Pavelko, S., & Lieberman, R. J. (July, 2010). *Choosing Psychometrically Sound Measurements of Preschool Language and Literacy*. Poster session presented at the American Speech-Language Hearing Association Schools Conference, Las Vegas, NV.
- Malani, M., Pavelko, S., & Zadroga, C. (May, 2010). *Creating a Survey of Undergraduate Students in Communication Sciences and Disorders*. Poster session presented at the Florida Association of Speech-Language Pathologists & Audiologists, Orlando, FL.
- Pavelko, S., O'Brien, K., McGahey, J., Schwartz, J., & Nye, C. (November, 2009). *A Systematic Review of Storybook Reading on Vocabulary Development*. Paper presented at the American Speech-Language Hearing Association National Convention, New Orleans, LA.

- Pavelko, S., O'Brien, K., McGahey, J., Schwartz, J., & Nye, C. (July, 2009). *Effective Storybook Reading for At-Risk Preschool Students*. Poster session presented at the American Speech-Language Hearing Association Schools Conference, Kansas City, MO.
- Pavelko, S., O'Brien, K., Johnson, J., Schwartz, J., & Nye, C. (May, 2009). *Does Shared Storybook Reading Increase the Vocabulary Skills of At-Risk Preschool Students?* Paper presented at the 9th Annual Campbell Colloquium, Oslo, Norway.

Invited Presentations

- Pavelko, S.L. (April, 2024). *SUGAR: SUGAR Cubes: The Building Blocks of Language Sample Analysis*. Invited presentation for the MSHA Annual Conference.
- Pavelko, S.L. (April, 2024). *SUGAR: A Sweet Introduction to Language Sampling*. Invited presentation for the MSHA Annual Conference.
- Pavelko, S.L. (March, 2024). *SUGAR: A Sweet Introduction to Language Sampling, Part II*. Invited presentation for the West Contra Costa Unified School District.
- Pavelko, S.L. (March, 2024). *SUGAR: A Sweet Introduction to Language Sampling, Part I*. Invited presentation for the West Contra Costa Unified School District.
- Pavelko, S.L. (January, 2024). *SUGAR: A Sweet Introduction to Language Sampling*. Invited presentation the Macomb Intermediate School District.
- Pavelko, S.L. (October, 2023). *SUGAR: A Sweet Introduction to Language Sampling*. Invited presentation for the Loretta G. Brown Symposium presented by the University of Montevallo's Department of Communication Science and Disorders
- Pavelko, S.L. (August, 2023). *SUGAR: A Sweet Introduction to Language Sampling, Part 2*. Invited presentation for the California Virtual Academies.
- Pavelko, S.L. (August, 2023). *SUGAR: A Sweet Introduction to Language Sampling, Part 1*. Invited presentation for the California Virtual Academies.
- Pavelko, S.L. (August, 2023). *SUGAR: A Sweet Introduction to Language Sampling*. Invited keynote speaker for the Allegheny Intermediate Unit.
- Pavelko, S.L. (April, 2023). *SUGAR: A Sweet Introduction to Language Sampling*. Invited presentation for the Indiana Speech-Language Hearing Association.
- Pavelko, S.L. (April, 2023). *Transcribing and Analyzing Language Samples*. Invited presentation for the Indiana Speech-Language Hearing Association.
- Pavelko, S.L. (April, 2023). *Making Diagnostic Decisions and Planning Intervention*. Invited presentation for the Indiana Speech-Language Hearing Association.
- Pavelko, S.L. (March, 2023). *The SUGAR Cubes of Language Sampling: Transcription and Analysis*. Embracing Expertise Series. Online Conference
- Pavelko, S.L. (March, 2023). *Sampling Utterances and Grammatical Analysis Revised (SUGAR): Language Sampling*. Embracing Expertise Series. Online Conference
- Pavelko, S.L. (March, 2023). *The SUGAR Blocks of Language Sampling: Clinical Decision Making*. Embracing Expertise Series. Online Conference
- Pavelko, S.L. & Oetting, J. (March, 2023). *Language Sampling: The Heart and Soul of Language Assessment*. Embracing Expertise Series. Online Conference
- Pavelko, S. (February, 2023). *Language Sampling for the School Clinician Using the SUGAR Tool*. Invited presentation at Assessment, Eligibility, and Dismissal in Schools. Online Conference.

- Pavelko, S.L. (January, 2023). *SUGAR: A Sweet Taste of Language Sampling*. Invited presentation for the Speech and Hearing Association of Alabama. Online Presentation.
- Pavelko, S. (October, 2022). *Language Sampling for the School Clinician Using the SUGAR Tool*. Invited presentation at Assessment, Eligibility, and Dismissal in Schools. Online Conference.
- Pavelko, S.L. (May, 2022). *SUGAR: A Sweet Taste of Language Sampling*. Invited presentation for the Mid-State Special Education. Online Presentation.
- Pavelko, S. (December, 2021). *A Sweet Taste of Language Sampling*. Invited presentation for the Arizona Department of Education. Online Presentation.
- Pavelko, S. (November, 2021). *Transcribing and Analyzing Language Samples*. Invited presentation for the Arizona Department of Education. Online Presentation.
- Pavelko, S. (October, 2021). *Making Diagnostic Decisions and Planning Intervention*. Invited presentation for the Arizona Department of Education. Online Presentation.
- Owens, R., & Pavelko, S. (October, 2021). *A Sweet Taste of Language Sampling*. Invited presentation for the New Jersey Speech-Language-Hearing Association. Online Presentation.
- Pavelko, S. (October, 2021). *Transcribing and Analyzing Language Samples*. Invited presentation for the Irvine Unified School District. Online Presentation.
- Pavelko, S. (August, 2021). *A Sweet Taste of Language Sampling*. Invited presentation for the Irvine Unified School District. Online Presentation.
- Pavelko, S. (June, 2021). *A Sweet Taste of Language Sampling*. Invited presentation for the Kansas Speech-Language-Hearing Association. Online Presentation
- Pavelko, S.L. (February, 2020). *SUGAR: A Sweet Taste of Language Sampling*. Invited presentation for the Delaware County Intermediate Unit, Delaware County, PA.
- Pavelko, S.L., & Allen-Bronaugh, D. (June, 2019). *Interprofessional Practice in Schools: The Promise and Pitfalls of Co-Teaching*. Invited presentation at 19th Annual Barbara P. Mastriano Communiiversity Conference, sponsored by Temple University, Philadelphia, PA.
- Owens, R., & Pavelko, S.L. (March, 2019). *Functional Language Intervention with a Sweet Taste of SUGAR*. Invited presentation at Speech-Language-Hearing Association of Virginia, Richmond, VA.
- Pavelko, S. (August, 2018). *Language Sample Analysis: Evidence-Based Assessment and Intervention*. Invited presentation to CCPS SLPs, sponsored by CCPS, Culpeper, VA.
- Pavelko, S., L., (June, 2018). *Language & Literacy: Implications for SLPs Working with Preschool Children*. Invited presentation at ODU Tidewater Scottish Rite Symposium, Norfolk, VA.
- Pavelko, S., L., (June, 2018). *Everything (almost!) You knew about Grammar...But Forgot!* Invited presentation at SLP Summer Institute, sponsored by T/TAC Region 5; Waynesboro, VA
- Pavelko, S., & Owens, R. (November, 2017). *Just a Spoonful of SUGAR Helps the Sampling Go 'Round*. Paper presented at the American Speech-Language Hearing Association National Convention, Los Angeles, CA.

- Pavelko, S. (August, 2017). *Language Sample Analysis: Assessment and Intervention Planning*. Invited presentation to CCPS SLPs, sponsored by CCPS, Culpeper, VA.
- Pavelko, S. (August, 2017). *Evidence-Based Practices in Selecting and Using Standardized Tests: Considerations for Speech Testing & Case Study*. 1-hour Webinar for speechpathology.com
- Pavelko, S. (August, 2017). *Evidence-Based Practices in Selecting and Using Standardized Tests: Considerations for Language Testing*. 1-hour Webinar for speechpathology.com
- Pavelko, S. (July, 2017). *Evidence-Based Practices in Selecting and Using Standardized Tests: Diagnostic Accuracy*. 1-hour Webinar for speechpathology.com
- Pavelko, S. (July, 2017). *Evidence-Based Practices in Selecting and Using Standardized Tests: Psychometric Adequacy*. 1-hour Webinar for speechpathology.com
- Pavelko, S. (July, 2017). *Evidence-Based Practices in Selecting and Using Standardized Tests: Purposes of Testing & Test Uses*. 1-hour Webinar for speechpathology.com
- Pavelko, S. (June, 2017). *SUGAR: Language Sample Analysis: Assessment and Intervention Planning*. Invited presentation at SLP Summer Institute, sponsored by T/TAC Region 5; Waynesboro, VA.
- Pavelko, S. (May, 2017). *SUGAR: Language Sample Analysis: Assessment and Intervention Planning*. Invited presentation at the Commonwealth of Pennsylvania, sponsored by the Pennsylvania Training and Technical Assistance Network (PaTTAN), Harrisburg, PA.
- Pavelko, S. (March, 2016). *SUGAR: Language Sample Analysis Made Sweet. Bye-Bye Roger: Rethinking Dr. Brown's Language Sample Collection & Analysis*. Invited presentation at Saint Mary's College, Notre Dame, IN.
- Pavelko, S. & Ireland, M. (June, 2014). *Evidence Based Practices in School-Based Assessment*. Invited presentation at SLP Summer Institute, sponsored by T/TAC Region 5; Waynesboro, VA.
- Pavelko, S. (September, 2013). *Language Sample Analysis Revisited*. Invited presentation to HCPS SLPs, sponsored by HCPS, Harrisonburg, VA.
- Pavelko, S. (June, 2013). *Language Sample Analysis Revisited*. Invited presentation at SLP Summer Institute, sponsored by T/TAC Region 5; Waynesboro, VA.

GRANTS

External Grants

- Pavelko, S. (2017). *Evidence Based Comprehensive Assessment for School-Based SLPs*. 10/1/2017-8/31/2018, \$7016.00
- Pavelko, S. (2017). *Language Sample Analysis for School-based SLPs*. 6/1/2017-9/30/2017, \$4120.00.
- Pavelko, S. (2016). *Developing High Quality Professional Development for Public School Speech-Language Pathologists, Part 2*, 5/1/2016-9/30/2016, \$1350.00.
- Pavelko, S. (2015). *Developing High Quality Professional Development for Public School Speech-Language Pathologists*, VA-15-02-19-210-216-00-660, \$3,217.00.
- Pavelko, S. (2014). *Evidenced Based Practices in Assessment*, IDEA, Part B; CFDA 84.027A, \$9,854.00.

- Pavelko, S. (2013). *High Quality Professional Development for Speech-Language Pathologists*, IDEA, Part B; CFDA 84.027A, \$9,471.
- Pavelko, S. (2009). Campbell Collaboration, Education Coordinating Group. Grant to complete systematic review, \$3000
- Pavelko, S. (2009). Campbell Collaboration, Education Coordinating Group. Travel award to attend the Ninth Annual Campbell Collaboration Colloquium Oslo, Norway, \$500
- Pavelko, S. (2002). DGfS Summer Institute in Linguistics Fellowship Recipient Awarded: Tuition, Room & Board, and \$500 Travel Expenses

Internal Grants

- Pavelko, S.L. (2023). Community Engagement Faculty Teaching Grant. Binghamton University, \$3,000.
- Dudding, C. C. & Pavelko, S. L. (2018). *Virtual Standardized Patients: Authentic Measure of Changes in Professional Behaviors*. James Madison University, College of Health and Behavioral Sciences, \$5,000.
- Pavelko, S.L., & Allen-Bronaugh, D. (2018). *Interprofessional Practice in Schools*. VentureWell minigrant, \$2000.
- Allen-Bronaugh, D & Pavelko, S.L., &. (2017). *Interprofessional Practice in Schools: A One-Credit Course*. James Madison University, College of Education, Martha B and Guy M. Jones Education Endowment, \$3,500.
- Pavelko, S.L., & Allen-Bronaugh, D. (2017). *Interprofessional Practice in Schools: A One-Credit Course*. James Madison University, College of Health and Behavioral Sciences, \$1,929.
- Kipps-Vaughan, D., Gilligan, T., Kielty, M., Strunk, J., Richardson, E., Pavelko, S. (2014). *Inter-professional Education Seminar for Professional Services in Schools*. James Madison University, College of Health and Behavioral Sciences, \$3,200.
- Kipps-Vaughan, D., Gilligan, T., Kielty, M., Strunk, J., Richardson, E., Pavelko, S. (2013). *Inter-professional Education Seminar for Professional Services in Schools*. James Madison University Madison Award, \$2000.
- Pavelko, S., & Stewart, A. (2011). *An interprofessional partnership: Working Together for Teacher and Student Success*. James Madison University, College of Integrated Science and Technology Teaching Grant, \$4000
- Pavelko, S. (2011). James Madison University, College of Integrated Science and Technology Mini-Grant, \$1000

Grants Submitted, Not Funded

- Pavelko, S.L. (2024). Increasing Diversity in Speech-Language Pathology. Binghamton University RoadMap Proposal. Requested Amount: \$200,000 for two years, \$75,00 each year in perpetuity.
- Pavelko, S.L. (2023). Improving early childhood education experiences for preschool children at risk for language and literacy difficulties: Developing an inclusive, evidence-based language and literacy enrichment program. Mother Cabrini Foundation, Letter of Intent Submitted. Requested Amount: \$273,417.

Pavelko, S.L. (2023). Early assessment, identification and intervention for children with speech and language delays. Blue Cross/Blue Shield Excellus Grant. Requested Amount: \$30,000.

SERVICE

American Speech-Language-Hearing Association	
<i>Member</i>	2024
Convention Program Committee: Language and Learning in School-Age Individuals	
<i>Editor</i>	
Perspectives, SIG1	2022-2027
<i>Editorial Board Member</i>	
Language, Speech, and Hearing Services in Schools	2018-2022
Perspectives, SIG1	2015-2021
<i>Reviewer</i>	
National Convention submissions	2010; 2019
National Academies of Practice	2019
<i>Chair</i> , Nominating Committee, SLP Academy	2021-2024
Binghamton University	
Decker College of Nursing, IPE Committee	2022
University of St. Augustine for Health Sciences	
Professional Misconduct Committee	2019-2021
University IPE Taskforce	2019-2021
James Madison University	
CHBS IPE Council	2017- 2019
CHBS Undergraduate Curriculum Council	2016-2019
CHBS Dean's Faculty Advisory Council	2016-2018
<i>Chair</i>	2017-2018
Undergraduate Program Director	2016-2019
Director of Clinical Education	2011-2015
Undergraduate Commencement, Faculty Reader	2013
Undergraduate Commencement, Faculty Marshal	2012
Editorial Board Reviewer: Evidence-Based Practice Briefs, Pearson Publishers	2010
Reviewer, CAPCSD Scholarship	2009

AWARDS AND RECOGNITIONS

National Academies of Practice, Speech-Language Pathology	2019
<i>Distinguished Scholar</i>	

Elected individuals who have academic achievements such as significant and enduring educational and/or research contribution to practice.

Pavelko, S., & Owens, R. (November, 2017). *Just a Spoonful of SUGAR Helps the Sampling Go 'Round*. Paper presented at the American Speech-Language Hearing Association National Convention, Los Angeles, CA.

Presentation sponsored by SIG16: School-Based Issues.

Owens, R., Pavelko, S. & Lavasani, Z. (November, 2015). *Bye-Bye Roger: Rethinking Dr. Brown's language sample collection & analysis*. Paper presented at the American Speech-Language- Hearing Association National Convention, Denver, CO.

Selected for designation as a Trailblazer session at the 2015 ASHA Convention.

Faculty recognition in support of students with disabilities	2010
University of Central Florida Student Development and Enrollment Services	
Golden Key National Honor Society Inductee, Youngstown State University	1999
Order of Omega Inductee, Youngstown State University	1999
Who's Who Among American Colleges and Universities Inductee	1999
Youngstown State University	

PROFESSIONAL CREDENTIALS

Speech-Language Pathologist State of New York	2023-2026
Speech-Language Pathologist State of Texas	2019-2023
Speech-Language Pathologist Commonwealth of Virginia	2011-2020
Speech-Language Pathologist State of Florida	2008-2011
American Speech-Language-Hearing Association, Certified Member	2007-Pres
Hanen Organization, Certified Member	2012-Pres
Speech-Language Hearing Association of Virginia, Member	2014-2019

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Navid Tahvildari, Ph.D.

EDUCATION

- Post.Doc., Civil and Environmental Engineering, Stanford University, CA 2014
Project title: “Nonhydrostatic Modeling of Internal Tide Energetics over Submerged Ridges”
Supervisor: Oliver Fringer
- Ph.D., Civil Engineering, Texas A&M University, College Station, TX 2011
Dissertation title: “Nonlinear Interactions between Longs Waves in a Two-Layer Fluid”
Adviser: James Kaihatu
Committee: Scott Socolofsky, William Saric, Jun Zhang
- M.S., Civil Engineering, Sharif University of Technology, Tehran, Iran 2007
Thesis Title: “Theoretical analysis of the nonlinear resonant interaction between surface and interfacial waves”
Adviser: Mirmosadegh Jamali
- B.S., Civil Engineering, Amirkabir University of Technology (Polytechnic), Tehran, Iran 2005

POSITIONS

- Director of the Coastal Engineering Institute, 2022 – Present
Batten College of Engineering and Technology, Old Dominion University
- Associate Professor, 2021 – Present
Department of Civil and Environmental Engineering, Old Dominion University,
- Associate Professor (by courtesy), 2022 – Present
Department of Ocean and Earth Sciences, Old Dominion University,
- Faculty Fellow, 2023 – Present
Institute for Coastal Adaptation and Resilience, Old Dominion University
- Assistant Professor, 2014 – 2021
Department of Civil and Environmental Engineering, Old Dominion University,
- Postdoctoral Scholar 2012 – 2014
Environmental Fluid Mechanics Laboratory, Stanford University
- Graduate Research Assistant September 2007 – October 2011
Coastal & Ocean Engineering Program, Texas A&M University

PEER-REVIEWED JOURNAL ARTICLES

Supervised students and postdocs are underlined.

In Revision

1. Han, S., **Tahvildari, N.**, “Simulating Compound Flooding Hazards Due to Storm Surge and Pluvial Flow in a Low-Gradient Coastal Region,” in revision for *Water Resources Research* (major revision due May 4, 2024).
2. Sahu, A., **Tahvildari, N.**, “Assessing Coastline Erosional Response to Sea level Rise Using a Process-Based Numerical Model,” in review for *Coastal Engineering*. (Major Revision)

Accepted/Published

3. Shahabi, A., **Tahvildari, N.** (2024) “A Deep-Learning Model for Rapid Spatiotemporal Prediction of Coastal Water Levels,” *Coastal Engineering*, 90, 104504, DOI: doi.org/10.1016/j.coastaleng.2024.104504. ([Link](#))
4. Wang, Y., Shen, Y., Salahshour, B., Cetin, M., Iftekharuddin, K., **Tahvildari, N.**, Huang, G., Harris, D., Ampofo, K., Goodall, J., L. (2024) “Applying a Deep Convolutional Neural Network to Segment the Flooding Extent from Images of Urban Flooding: Evaluation using Real-World Surveillance Cameras,” *Environmental Modelling & Software*, DOI: doi.org/10.1016/j.envsoft.2023.105939 ([Link](#)).
5. Leone, A., **Tahvildari, N.** (2023) “Comparison of Spectral Wave Dissipation by Two Living Shoreline Features in a Sheltered Tidal Bay,” *Estuaries and Coasts*, DOI: 10.1007/s12237-022-01140-3 (**Highlighted in Coastal and Estuarine Science News**) ([Link](#)).
6. Shen, Y., **Tahvildari, N.**, Morsy, M. M., Huxley, C., Chen, D. T., Goodall, J. L. (2022), “Dynamic Modeling of Inland Flooding and Storm Surge on Coastal Cities under Climate Change Scenarios: Transportation Infrastructure Impacts in Norfolk, Virginia USA as a Case Study”, *Geosciences*, 12(6), 224, DOI: 10.3390/geosciences12060224 ([Link](#)).
7. Familkhalili, R., **Tahvildari, N.** (2022), “Computational Modeling of Coupled Surface Waves and Vegetation Stem Dynamics in Highly Flexible Submerged Meadows,” *Advances in Water Resources*, 165: 104222, DOI: 10.1016/j.advwatres.2022.104222 ([Link](#)).
8. Prigiobbe1, V., Dawson, C., Hu, Y., Sharif, H. O., **Tahvildari, N.** (2022), “Editorial: Coastal Flooding: Modeling, Monitoring, and Protection Systems,” *Frontiers in Climate*, January 14, 2022, DOI: https://doi.org/10.3389/fclim.2021.830946 ([Link](#)).
9. **Tahvildari, N.**, Abi Aad, M., Sahu, A., Shen, Y., Morsy, M., Murray-Tuite, P., Goodall, J., Heaslip, K., Cetin, M. (2022) “Quantification of Compound Flooding over Roadway Network during Extreme Events for Planning Emergency Operations,” *ASCE-Natural Hazard Review*, 23 (2): 04021067, DOI: 10.1061/(ASCE)NH.1527-6996.0000524.
10. Sharifineyestani, E., **Tahvildari, N.** (2021) “Nonlinear Wave Evolution In interaction with Currents and Viscoelastic muds”, *Journal of Marine Science and Engineering*, 9(5), 529, DOI: 10.3390/jmse9050529.
11. **Tahvildari, N.** and Castrucci, L. (2021) “Relative Sea Level Rise Impacts on Storm Surge Flooding of Transportation Infrastructure”, *ASCE-Natural Hazards Review*, 22(1): 04020045, DOI: 10.1061/(ASCE)NH.1527-6996.0000412.
12. Shen, Y., Morsy, M., Huxley, C., **Tahvildari, N.**, Goodall, J. L., (2019) “Flood Risk Assessment and Increased Resilience for Coastal Urban Watersheds under the Combined Impact of Storm Tide and Heavy Rainfall”, *Journal of Hydrology*, DOI: 10.1016/j.jhydrol.2019.124159.
13. **Tahvildari, N.**, Sharifineyestani, E. (2019) “A Numerical Study on Nonlinear Surface Wave Evolution over Viscoelastic Mud,” *Coastal Engineering*, DOI: 10.1016/j.coastaleng.2019.103557.

14. Bilkovic, D., Mitchell, M., Davis, J., Herman, J., Andrews, E., King, A., Mason, P., **Tahvildari, N.**, Davis, J., Dixon, R., (2019) “Defining boat wake impacts on shoreline stability toward management and policy solutions”, *Ocean and Coastal Management*, DOI: 10.1016/j.ocecoaman.2019.104945.
15. Loftis, D., Mitchell, M., Atkinson, L., Hamlington, B., Allen, T. R., Forrest, D., Updyke, T., **Tahvildari, N.**, Bekaert, D., and Bushnell, M. (2018) “Integrated Ocean, Earth and Atmospheric Observations in Hampton Roads, Virginia,” *Marine Technology Society Journal (Special Issue on Coastal Resiliency in Hampton Roads)*, 52 (2), 68–83, DOI: 10.4031/MTSJ.52.2.8.
16. Castrucci, L. and **Tahvildari, N.** (2018) “Modeling the Impacts of Sea Level Rise on Storm Surge Inundation in Flood-Prone Urban Areas of Hampton Roads,” *Marine Technology Society Journal (Special Issue on Coastal Resiliency in Hampton Roads)*, 52 (2), 92–105, DOI:10.4031/MTSJ.52.2.11.
17. **Tahvildari, N.**, Kaihatu, J. M., Saric, W. S. (2016) “Generation of Long Subharmonic Internal Waves by Surface Waves”, *Ocean Modelling*, 106, 12–26, DOI: 10.1016/j.ocemod.2016.07.004.
18. **Tahvildari, N.**, Jamali, M. (2012) “Cubic nonlinear analysis of generation of interfacial waves by a surface wave in an open two-layer fluid”, *Fluid Dynamics Research*, 44, 055502, DOI: FDR-D-11-00152.
19. Kaihatu, J. M., **Tahvildari, N.** (2012) “The combined effect of wave-current interaction and mud-induced damping on nonlinear wave”, *Ocean Modelling*, 41, 22–34, DOI: 10.1016/j.ocemod.2011.10.004.
20. **Tahvildari, N.**, Kaihatu, J. M. (2011) “Optimized determination of viscous mud properties using a nonlinear wave-mud interaction model”, *Journal of Atmospheric and Oceanic Technology*, 28, 1486–1503. DOI: 10.1175/JTECH-D-11-00025.1

In preparation

21. Armhein, A., **Tahvildari, N.**, Familkhalili, R., Zimmerman, R. Z., “Wave Induced Velocity and Vegetation Stem Dynamics and their Effect on Productivity in Highly Flexible Submerged Vegetation”, in preparation for *Estuaries and Coasts*.
22. Familkhalili, R., **Tahvildari, N.**, Brian Batten, Charlse Bondar, “Role of Marsh Terraces in Flood Reduction in a Coastal Lagoon under Projected Sea Level Rise”, in preparation for *Frontiers in Marine Science*.

BOOK CHAPTERS

- Tahvildari, N., Sharifineyestani, E. (2019) “Nonlinear Wave Processes Over Coastal Muds” in *Wiley’s Encyclopedia of Water: Science, Technology, and Society*.

CONFERENCE PROCEEDINGS

Supervised graduate students are underlined.

1. Shahabi, A., **Tahvildari, N.**, De Souza De Lima, A., Miesse, T., Ferreira, C. (2024) “Waves, Currents, and Suspended Sediment Measurements Around Hybrid Nature-Based Solutions”, *Proceedings of IEEE/OES Thirteenth Currents, Waves and Turbulence Measurement Workshop*, Wanchese, NC (submitted on April 27, 2024 and to appear).
2. Allen, T., Katragadda, S., Chen, Y., Terry, B., Baptist, J., Yetkin, O., **Tahvildari, N.**, et al. (2023) “A Digital Twin to Link Flood Models, Sensors, and Earth Observations for Coastal Resilience in Hampton Roads, Virginia, USA.” *Proceedings of IEEE International Geoscience and Remote Sensing Symposium*, pp. 1388-1391.

3. Anderson, H., Hansell, H., **Tahvildari, N.** (2023) “Shoreline Change Analysis and Erosional Hotspot Alternatives for Harrison County’s Artificial Sand Beach”, *Proceedings of the Coastal Sediments Conference*, New Orleans, LA.
4. **Tahvildari, N.** and Sahu, A. (2023) “Erosion at Armored and Non-Armored Beaches under Extreme Events Using Process-Based Models”, *Proceedings of the Coastal Sediments Conference*, New Orleans, LA.
5. Castrucci, L., and **Tahvildari, N.** (2017) “Hydrodynamic Modeling of Storm Surge Flooding in the Transportation Infrastructure in Southeast Virginia”, *Proceedings of MTS/IEEE Oceans Conference*, Anchorage, AL.
6. **Tahvildari, N.** (2017) “Numerical Modeling of the Interactions between Nonlinear Waves and Arbitrarily Flexible Vegetation”, *Proceedings of the 35th International Conference on Coastal Engineering*, Antalya, Turkey, Paper No. waves.32.
7. **Tahvildari, N.**, Lynett, P. J., and Kaihatu, J. M. (2014) “A numerical code for waves in a two-layer shallow fluid”, *Proceedings of ASME 33rd International Conference on Ocean, Offshore and Arctic Engineering*, San Francisco, CA, doi:10.1115/OMAE2014-24455.
8. **Tahvildari, N.**, Jamali, M. (2009) “Analytical Cubic Solution to Weakly Nonlinear Interactions between Surface and Interfacial waves”, *Proceedings of the ASME 28th International Conference on Ocean, Offshore and Arctic Engineering*, Honolulu, HI, doi:10.1115/OMAE2009-80120.
9. **Tahvildari, N.**, Kaihatu, J. M. (2011) “Generation of oblique interfacial waves due to resonant interaction with surface gravity waves in shallow water”, *Proceedings of the MTS/IEEE Oceans Conference*, Kona, HI.
10. **Tahvildari, N.**, Kaihatu, J. M. (2009) “Inverse deduction of mud parameters from free surface wave energy in muddy coasts”, *Proceedings of the 33rd IAHR Congress*, Vancouver, BC, 2870–2877.

TECHNICAL REPORTS

1. **Tahvildari, N.** (2022) “Chesapeake Bay Bridge and Tunnel Scour Study: Field Measurements, Data Analysis, and Statistical Predictive Model for Local Currents”, Final Project Report submitted to Chesapeake Bay Bridge and Tunnel District.
2. **Tahvildari, N.**, Schafran, G. (2022) “Hydrodynamic and Water Quality Data Collection and Analysis in Back Bay, Virginia Beach”, Final Project Report submitted to Dewberry in support of CIP-100365, PWCN-20-0070 Work order for the City of Virginia Beach.
3. Schafran, G., **Tahvildari, N.** (2021) “2020 Western Reservoirs Aerator Performance Study,” Final Report submitted to Hazen and Sawyer for the project sponsored by City of Norfolk.
4. Sharifineyestani, E. and **Tahvildari, N.** (2019) “The Role of Seagrasses in Mitigating Climate Change and Sea Level Rise Impacts on Coastal Infrastructure: Integration of Hydrodynamics, Biophysics, and Sediment Geochemistry”, Final Research Project Report, Multidisciplinary Research Seed Grant (MRSG), Batten College of Engineering and Technology, Old Dominion University.
5. **Tahvildari, N.**, Goodall, J., Murray-Tuite, P., Heaslip, K., Cetin, M., Morsy, M., Sahu, A., Shen, Y., Abi Aad, M. (2019), “An Integrated Dynamic Modeling Approach for Flooding of Coastal Transportation Infrastructure: Assessment of Impacts on Emergency Operations,” Final Research Project Report, Mid-Atlantic Transportation Sustainability Center-University Transportation Center (MATS-UTC).

6. Bilkovic, D., M. Mitchell, J. Davis, E. Andrews, A. King, P. Mason, J. Herman, **N. Tahvildari**, J. Davis (2017), “Review of boat wake wave impacts on shoreline erosion and potential solutions for the Chesapeake Bay,” STAC (Chesapeake Bay Program Scientific and Technical Advisory Committee), STAC Publication Number 17-002, Edgewater, MD. 68 pp. (Peer-Reviewed)
7. **Tahvildari, N.**, Castrucci, L., Cetin, M. (2017), “Investigating the Vulnerability of the Transportation Infrastructure in Hampton Roads Region to Extreme Weather and Sea Level Rise”, Final Research Project Report, Mid-Atlantic Transportation Sustainability Center–University Transportation Center (MATS-UTC).

PROJECTS

Total: \$6,062,258 (External: \$5,954,637, Internal: \$107,621), **Tahvildari: \$1,704,468** (External: \$1,596,847, Internal: \$107,621)

Active (Total: \$4,972,497, **Tahvildari: \$1,125,845**)

1. “Design Guidelines for Nature-Based Solutions as Measures for Coastal Flood Risk Reduction”, March 15-June 31, 2024, \$16,383, Sponsor: *Commonwealth Center for Recurrent Flood Resiliency*, Sole-PI: Tahvildari.
2. “Quantifying Integrated Engineering and Ecological Benefits of Nature-Based Shoreline Stabilization Features to Inform Coastal Resilience in Rural Virginia”, January 1, 2023-December 31, 2025, \$200,000 (Tahvildari: \$90,000), Sponsor: *Virginia Sea Grant*, **PI: Navid Tahvildari**, Co-PIs: Taylor Sloey, Erik Yando, Tom Allen (ODU).
3. “Transportation Systems and Flood Resilience under Dynamic Sea Level Rise: Integrated Modeling to Assess Natural and Nature-Based Solutions for Roadway Flooding in Hampton Roads, Virginia”, September 1, 2022-August 31, 2027, \$1,898,170 (Tahvildari: \$475,542), Sponsor: *National Oceanic and Atmospheric Administration-The Effects of Sea Level Rise Program (ESLR)*, **PI: Navid Tahvildari**, Co-PIs: Maryam Shakiba (CU Boulder), Kun Xie (ODU), Mecit Cetin (ODU), Gangfeng Ma (ODU), Tom Allen (ODU), George McLeod (ODU), Robert McNab (ODU).
4. “Pixels for Public Health: Analytic Collaborative Framework to Enhance Coastal Resiliency of Vulnerable Populations in Hampton Roads, Virginia”, May 1, 2022-April 31, 2025, \$1,199,102 (Tahvildari: \$238,420), Sponsor: *National Aeronautics and Space Administration*, PI: Thomas Allen (ODU), **Co-PI: Navid Tahvildari** (ODU), Alex Neilsen (ODU), Heather Richter (ODU), Sonke Dangendorf (Tulane), Geroge Mcleod (ODU).
5. “SCC-IRG Track 2: Scalable Modeling and Adaptive Real-time Trust-based communication (SMARTc) system for roadway inundations in flood-prone communities”, July 1, 2020 – June 30, 2025, \$1,483,427 (Tahvildari: \$169,251), Sponsor: *National Science Foundation, Smart & Connected Communities Program*, PI: Khan Iftekharuddin (ODU), **Co-PI: Navid Tahvildari**, Mecit Cetin (ODU), Jonathan Goodall (UVA), Jing Chen (ODU).

Completed (sorted by date)

6. “Understanding the Discrepancies between Acoustic and Radar Measurements of Water Level Using Computational Modeling and Observations”, September 15, 2022-September 15, 2023, \$95,415 (Tahvildari: \$57,249), Sponsor: *NOAA-National Ocean Service*, **PI: Navid Tahvildari**, Co-PI: Gangfeng Ma (ODU).
7. “Evolution of Coastal Sediment Transport: Impact of Relative Sea Level Rise”, September 1, 2020 – August 31, 2022, \$80,000, Sponsor: *National Oceanic and Atmospheric Administration - Virginia Sea Grant (through Graduate Research Fellowship)*, **Sole PI: Navid Tahvildari**.

8. “Chesapeake Bay Bridge and Tunnel Scour Study- Phase 1: Field Measurements”, October 1, 2021 – January 30, 2022, \$9,062, Sponsor: *Chesapeake Bay Bridge-Tunnel*, **Sole PI: Navid Tahvildari**.
9. “Real-time Sensing of Flooding within Urban Environments”, July 1, 2021 – June 30, 2022, \$25,000 (Tahvildari: \$5,000), Sponsor: *4-VA*, PI: Jonathan L. Goodall (UVA), **Co-PI: Navid Tahvildari**.
10. “Site Selection and Design of Marsh Terraces in Back Bay”, July 2020–December 2020, \$300,000, Sponsor: City of Virginia Beach, lead: Dewberry, ODU Subrecipient: \$57,635 (Tahvildari: \$34,581), **PI: Navid Tahvildari**, Co-PI: Gary Schafran.
11. “Modeling Shoreline Erosion in Response to Storm Tides and Relative Sea Level Rise”, July 1, 2019–June 31, 2021, \$59,238. Sponsor: *Commonwealth Center for Recurrent Flooding Resiliency*, **Sole PI: Navid Tahvildari**.
12. “An Integrated Computational Framework for Hydrodynamic and Biological Processes in Seagrasses”, July 1, 2019–June 31, 2021, \$120,000. Sponsor: *Jeffress Trust Awards Program in Interdisciplinary Research*, **Sole PI: Navid Tahvildari**.
13. “Lake Aeration: A Water Quality and Hydrodynamic Dispersion Study”, September 1, 2019 – August 31, 2020, \$134,410 (Tahvildari: \$58,685). Sponsor: *City of Norfolk, Virginia*, PI: Dr. Gary Schafran (ODU), **Co-PI: Navid Tahvildari**.
14. “The Role of Seagrasses in Mitigating Climate Change and Sea Level Rise Impacts on Coastal Infrastructure: Integration of Hydrodynamics, Biophysics, and Sediment Geochemistry”, January 1, 2018 – December 31, 2018, \$25,000 (Tahvildari: \$25,000). Sponsor: *Batten College of Engineering and Technology*, **PI: Navid Tahvildari**, Collaborators: Richard Zimmerman (ODU), David Burdige (ODU).
15. “Framework for Municipal Collaboration for Adaptive Solutions to Sea Level Rise in Shared Watersheds”, January 1, 2018–December 31, 2018, \$60,000 (Tahvildari: \$13,056). Sponsor: *Blue Moon Fund*, PI: Carol Considine (ODU), **Co-PI: Navid Tahvildari** and several others.
16. “Nature-Based Features for Coastal Resilience: Quantifying Wave Dissipation”, June 1, 2017–May 31, 2019, \$78,846. Sponsor: *National Oceanic and Atmospheric Administration - Virginia Sea Grant (through Graduate Research Fellowship)*, **Sole PI: Navid Tahvildari**.
17. “An Integrated Dynamic Modeling Approach for Flooding of Coastal Transportation Infrastructure: Assessment of Impacts on Emergency Operations”, May 1, 2017–December 31, 2018, \$150,000 (Tahvildari: \$58,525). Sponsor: *Department of Transportation through Mid-Atlantic Transportation Sustainability-University Transportation Center (MATS- UTC)*. **PI: Navid Tahvildari**, Co-PIs: Jonathan Goodall (UVA), Pamela Murray-Tuite (VTech), Mecit Cetin (ODU).
18. “Title: Investigating the Effects of Nature-based Coastal Measures in Storm Damage Mitigation”, February 1, 2017 – June 1, 2017, \$7,000. Sponsor: Old Dominion University Resilience Collaborative. **PI: Navid Tahvildari**.
19. “Modeling the Protection Services of Flood Mitigation Measures in the City of Franklin, Virginia”, August 2016–August 2019, \$30,000 (Tahvildari:\$27,768). Sponsor: *Private Gift*, **PI: Navid Tahvildari**, Co-PI: Gangfeng Ma.
20. “Investigating the Vulnerability of the Transportation Infrastructure in Hampton Roads Region to Extreme Weather and Sea Level Rise”, July 2016–May 2017, \$71,967 (Tahvildari:\$63,862). Sponsor: *Virginia Department of Transportation*, **PI: Navid Tahvildari**, Co-PI: Mecit Cetin.

21. “Quantifying Wave Dissipation Effects of Living Shorelines: Field Study”, September 2016–September 2017, \$5,000. Sponsor: *National Oceanic and Atmospheric Administration - Virginia Sea Grant*, **PI: Navid Tahvildari**.
22. “Quantifying Wave Dissipation Effects of Living Shorelines: Numerical Modeling”, September 2016–September 2017, \$5,000. Sponsor: *National Oceanic and Atmospheric Administration - Virginia Sea Grant*, **PI: Navid Tahvildari**.
23. “Dissipative effect of coastal vegetation on water waves”, June 2015–August 2015, \$7,000. Sponsor: *Office of Research, Old Dominion University (Summer Research Fellowship Program)*, **PI: Navid Tahvildari**.

PROPOSALS

Pending (Total: \$26,126,295, Tahvildari: \$2,175,225)

1. Supporting Hampton Roads Community Climate Resiliency with NASA CASI Science, \$1,500,000 (Tahvildari: \$100,000), PI: John Murray (NASA Langley Research Center), Derek Loftis (VIMS), ODU Team: Co-PIs: Navid Tahvildari, Goerge McLeod, Thomas Allen, representatives from regional and local agencies, Sponsor: NASA- Earth Science Division.
2. Supporting Digital Twins with Enhanced Open Data Cube Interoperability and Automated Tasking, \$1,324,593.00 (Tahvildari: \$21,440), PI: Thomas Allen (ODU), Co-PIs: Navid Tahvildari (ODU), George McLeod (ODU), Yiannis Papelis (ODU), Victoria Hill (ODU), August 1, 2024–July 31, 2026. Sponsor: NASA-AIST.
3. Understanding the Effects of Incoming Water Velocity and Husbandry Decisions on Water Velocity within Commercial Oyster Grow-out Baskets, \$250,000 (Tahvildari: \$60,699), PI: William Walton (VIMS), Co-PIs: Shelby White (VIMS), Navid Tahvildari (ODU), September 1, 2024, August 31, 2026, Sponsor: NOAA-Aquaculture Program.
4. Adaptive Planning for Increasing Coastal Resilience o Flooding under Deep Climate Change Uncertainty in Coastal Virginia, \$1,598,381 (Tahvildari: \$226,914), PI: Majid Shafiee-Jood (UVA), Co-PIs: Negin Alemazkoo (UVA), Jonathan L. Goodall (UVA), Patricia L. Wiberg (UVA), Navid Tahvildari (ODU), Laura Costadone (ODU), Nicole S. Hutton (ODU), Julianne Quinn (UVA), Wie Yusuf (ODU), September 1, 2024, August 31, 2028, Sponsor: NOAA-Effects of Sea Level Rise Program.
5. A Self-learning Digital Twin Framework to Improve Global Sea Surface Elevation Estimates, \$1,000,000 (Tahvildari: \$133,333) PI: Viviana Maggioni (GMU), Co-PIs: John Park (ODU), Navid Tahvildari, Khan Iftekharuddin (ODU), Celso Ferreira (GMU), Paul Houser (GMU), July 2024–June 2028, Sponsor: NASA.
6. Collaborative Research: Framework: Scalable and Flexible Cyberinfrastructure for Interdisciplinary Coastal Resilience Research, \$3,138,747 (Tahvildari: \$388,000), PI: Frank Liu (ODU), Co-PIs: Navid Tahvildari (ODU-CEE), Thomas Allen (ODU), Margarett Mulholland (ODU), Victoria Hill (ODU), Jian Wu (ODU), Ben Hodges (U Texas-Austin) July 2024–June 2028, Sponsor: National Science Foundation, Cyberinfrastructure for Sustained Scientific Innovation (CSSI).
7. MRI: Track 1 Acquisition of a Wave and Current Flume to Investigate Coastal and Ocean Processes and Technologies, \$497,629, (Tahvildari: \$497,629), PI: Navid Tahvildari, Co-PIs, Gangfeng Ma (ODU-CEE), Tian-Bin Xu (ODU-MAE), June 2024–May 2026, Sponsor: National Science Foundation, Major Research Instrumentation Program.

8. Back River Estuary Ecological Resilience Plan, \$16,000,000 (Tahvildari: \$460,000), PI: City of Hampton, 2024-2029, Sponsor: NOAA Office for Coastal Management (Climate Resilience Regional Challenge, 2023).
9. Collaborative Research: Probabilistic Quantification of Extreme Inundation and Hydrodynamic Loads Affecting Near-Coast Structures Behind Nature-Based Infrastructure, \$795,000 (Tahvildari: \$398,568), PI: Navid Tahvildari, Co-PI: Seymour Spence (University of Michigan), September 2023-August 2026, Sponsor: NSF-Engineering for Civil Infrastructure Program.

Unfunded Proposals/Planning Letters

A total of 52 proposals/planning letters have not been funded. A list is available upon request.

HONORS & AWARDS

- ASCE ExCEED Teaching Fellow 2016
- Jelesnianski Fellowship in Coastal Engineering, Texas A&M University 2009-2010
- Outreach for Engineers Specialty Forum Scholarship, Offshore Mechanics and Ocean Engineering Conference (ASME-OMAE), San Francisco, CA 2014
- Student Poster Program Award, MTS/IEEE Oceans Conference, Kona, HI 2011
- Faculty Development Grant, Batten College of Engineering and Technology, Old Dominion University, 2016
- Ranked 3rd among 25 M.S. students in Water Resources Engineering Program, Sharif University of Technology 2007
- Ranked 870 among more than 420,000 participants in Iran's Nation-wide University Entrance Exam in Mathematics and Physics 2001
- Chi Epsilon, Civil Engineering Honor Society

INVITED LECTURES

1. Tahvildari, N. (2023), "Sea Level Rise Impacts on Roadway Flooding in Hampton Roads, Virginia", *Hampton Roads Adaptation Forum*, May 19, 2023.
2. Tahvildari, N. (2023), "Flow Measurement in Lakes and Coastal Lagoons Using Acoustic Current Meters", *Nortek Day-Chesapeake Bay*, May 2, 2023.
3. Tahvildari, N. (2022), "Sensors and Flood Modeling", *Hampton Roads Adaptation Forum*, September 20, 2022.
4. Tahvildari, N. (2021), "Comparing the Efficiency of a Marsh-Sill and Oyster Reef Balls in Attenuating Waves", *Hampton Roads Adaptation Forum*, December 17, 2021 (Virtual).
5. Tahvildari, N. "Coastal Dunes: Understanding and Predicting their Performance as Natural Storm Mitigation Measures", Panelist in webinar on *Dune Systems and Coastal Resiliency in Virginia Beach*, Lynnhaven River Now, November 17, 2020.
6. Tahvildari, N. "Nonlinearities in Combined Effects of Storm Surge and Sea Level Rise on Flooding and Coastal Erosion", *Resilience Technical Leaders Focus Group*, Dewberry, November 12, 2020.
7. Tahvildari, N., Familkhalili, R., Sharifineyestani, E., Ma, G. "Modeling Flow Interactions with Highly Flexible Vegetation: Velocity Profile, Vegetation Dynamics, and Implications for Seagrass Production", *Department of Ocean, Earth & Atmospheric Sciences Seminar Series*, Old Dominion University, Norfolk, VA, October 8, 2020.

8. Tahvildari, N. “Storm Impacts on Coastal Infrastructure: Improved Quantification of Wave Energy and Inundation” Department of Civil, Environmental, and Ocean Engineering, Stevens Institute of Technology, April 16, 2018.
9. Tahvildari, N., “Nonlinear Dynamics of Surface Waves in Dissipative Environments” , Department of Civil, Construction, and Environmental Engineering, North Carolina State University, November 17, 2017.
10. Tahvildari, N., “Generation of Nonlinear Internal Waves: From Mid-ocean Ridges to Fluidized Coastal Sediments”, *Department of Ocean, Earth & Atmospheric Sciences Seminar Series*, Old Dominion University, Norfolk, VA, January 26, 2017.
11. Tahvildari, N., “Modeling Non-breaking Wave Dissipation in the Nearshore”, *Center for Coastal Physical Oceanography Seminar Series*, Old Dominion University, Norfolk, VA, September 12, 2016.
12. Tahvildari, N. “Nonlinear shallow water waves and Kortweg–de Vries (KdV) equations”, Advanced Mathematics Seminar, Department of Mechanical Engineering, Sharif University of Technology, Tehran, Iran, January 2007.

SELECTED PRESENTATIONS

Supervised graduate students and postdocs are underlined.

1. Tahvildari, N., Shahabi, A., De Souza De Lima, A., Miesse, T., Ferreira, C. (2024) “Waves, Currents, and Suspended Sediment Measurements Around Hybrid Nature-Based Solutions”, *IEEE-Currents, Waves, and Turbulence Measurement Workshop*, Wanchese, NC, March 18-20, 2024 (Oral).
2. Tahvildari, N. and Ojaghi, A. (2024) “Simulating the Impacts of Aquatic Vegetation on Flood Hazards to Coastal Infrastructure Using a Navier-Stokes Model”, *Ocean Sciences Meeting*, New Orleans, LA, February 18-23, 2024 (Poster).
3. Tahvildari, N. and Familkhalali, R. (2022) “Spatiotemporal variation of drag in a submerged flexible vegetation meadow and its linkage to stem dynamics: a computational modeling study”, *AGU Fall Meeting*, Chicago, IL, December 12-14, 2022 (Oral).
4. Familkhalali, R., Tahvildari, N. (2021), “High-Resolution Prediction of Coastal Compound Flooding under Future Relative Sea Level Rise”, *26th Biennial Conference of Coastal And Estuarine Research Federation*, November 8-11, 2021 (Virtual).
5. Tahvildari, N., Castrucci, L. “Evolution of Storm Surge Inundation under Relative Sea Level Rise and its Impact on Transportation Infrastructure”, Coastal Solutions Workshop: Modeling, Prediction, and Sensor Networks for Coastal Flooding in the US East Coast, *Ocean Visions*, July 2020.
6. Tahvildari, N., Zimmerman, R. Z. (2020) “Computational Model for Integrating Wave Hydrodynamics, Seagrass Blade Motion, and Seagrass Production ”, *Ocean Sciences Meeting*, San Diego, CA, February 2020.
7. Shen, Y., Castrucci, L., Tahvildari, N., Morsy, M., Huxley, C., Goodall, J. L., (2019), “ Modeling the Impact of Projected Climate Change and Sea Level Rise Scenarios on Flood Risk in Coastal Cities: Norfolk, VA as a Case Study,” *American Geophysical Union (AGU) Fall Meeting*, New Orleans, December 2019.

8. Sharifineyestani, E., Tahvildari, N., Zimmerman, R. Z. “Linkage between Hydrodynamic and Biophysical Properties of Seagrasses: A Field and Computational Modeling Study”, *AGU Fall Meeting*, Washington, D.C., December 2018.
9. Boswell, M. K., Tahvildari, N. “Investigating Wave Dissipation Effects of a Marsh-Sill Living Shoreline”, *Ocean Sciences Meeting*, Portland, OR, February 2018.
10. Tahvildari, N., Sharifineyestani, E., “Numerical Modeling of Non-breaking Wave Dissipation in the Coastal Environment”, *Gordon Research Conference - Coastal Ocean Dynamics*, June 2017.
11. Sharifineyestani E., Tahvildari, N., “Propagation of Nonlinear Surface Waves over Viscoelastic Mud”, *American Geophysical Union Fall Meeting*, San Francisco, CA, December 2016.
12. Tahvildari, N., Zeller, R. B., and Kaihatu, J. M. “A Numerical Study on Wave Evolution in Interaction with Flexible Vegetation”, (Oral), *Ocean Sciences Meeting*, New Orleans, LA, February 2016.
13. Tahvildari, N., Kaihatu, J. M., and Saric, W. S. “Multi-Harmonic Wave Pattern over Lutocline”, (Oral), *Young Coastal Scientists and Engineers Conference-North America*, University of Delaware, August 2015.
14. Tahvildari, N., Peacock, T., and Fringer, O. B. “A parametric study of nonlinear and nonhydrostatic effects on internal tide generation over a submerged ridge”, (Poster), *AGU Ocean Sciences Meeting*, Honolulu, HI, February 2014.
15. Tahvildari, N., Fringer, O. B., and Peacock, T. “Nonhydrostatic and nonlinear energetics of internal tides over submerged ridges”, (Poster), *Ocean Turbulence Conference, 33rd Center for Nonlinear Studies Annual Conference*, Los Alamos National Laboratory, Santa Fe, NM, June 2013.
16. Tahvildari, N., and Kaihatu, J. “Spatial Evolution of Nonlinear Long Interacting Surface and Interfacial Waves”, (Poster), *12th International Workshop on Wave Forecasting and Hindcasting*, Kona, HI, October 2011.
17. Tahvildari, N. “Nonlinear wave interactions in a two-layer fluid”, Environmental Fluid Mechanics Laboratory, Stanford University, June 2011.
18. Tahvildari, N., Kaihatu, J. M. “Resonant interactions between long weakly nonlinear surface and interfacial waves”, (Poster), *AGU Fall Meeting*, San Francisco, CA, December 2010.
19. Tahvildari, N., Kaihatu, J. M. “Nonlinear resonant generation of two interfacial waves due to interaction with a surface wave in shallow water”, (Oral), *AGU Ocean Sciences Meeting*, Portland, Oregon, February 2010.
20. Tahvildari, N., Kaihatu, J. M. “Invertibility and Predictability in Wave–Mud interaction”, (Oral) *AGU Chapman Conference on Physics of Wave-Mud Interaction*, Amelia Island, Florida, November 2008.

RESEARCH GROUP

Postdoc

1. Sunghoon Han- Project title: “Integrating Hydrodynamic Modeling of Compound Flooding with Flood Sensors”.
2. Mohammad Akhshanul Islam- Project title: “Modeling flooding and Morphodynamic Change under Sea Level Rise with incorporation of Nature-Based Flood Mitigation”.

Ph.D.

1. Lauren Sommers- Dissertation title: “Modeling Shoreline Response to Storm-induced Erosion and Relative Sea Level Rise”, Expected Graduation: May 2024
2. Ali Shahabi- Dissertation title: “Machine Learning Based Modeling of Storm Surge Flooding”, Expected Graduation: May 2026
3. Abdollah Ojaghi- Dissertation title: “Modeling Flood Loads on Near-Coast Structures”, Expected Graduation: May 2027

M.S.

1. Ohiedul Asad (Expected: May 2024)- Thesis title: Investigating the Error in Acoustic Water Level Measurements using Computational Modeling and Data Analysis”.
2. Stephen Greiling (Expected: May 2023)- Thesis title: Hydrodynamics of Lake Aeration: Field and Numerical Study.

Past Group Members

1. Ramin Familkhalili (Postdoc)- Project title: “Numerical and Field Investigation of Flow over Seagrass Meadows”, Current Position: Estuarine System Scientist, NOAA Affiliate
2. Elham Sharifineyestani (Ph.D., Graduated: December 2019)- Dissertation title: “Numerical Modeling and Field Investigation of Nearshore Nonlinear Wave Propagation”, Current position: Senior Scientist, AON, Chicago, IL.
3. Luca Castrucci (MS-Thesis, Graduated: December 2017)- Thesis Title: “Vulnerability Assessment of Critical Bridges in the Hampton Roads Region of Virginia to Storm Surge Flooding under Sea Level Rise”, Current Position: Arcadis, San Francisco, CA.
4. Akash Sahu (MS-Thesis, Graduated: December 2019)- Thesis title: “Investigating the impacts of sea-level rise and storm surge on shoreline erosion”, Current position: Engineer at Coastal Protection Engineering, Boca Raton, FL.
5. Holly Breckenhoff (MS-Project Graduated: May 2023)- Project title: “Estimating Storm and Sea Level Rise Impacts on a Beneficial Use Island in Norfolk Harbor by Analyzing Longshore and Cross-Shore Volume Change”.
6. Heidi Anderson (MS-Project, Graduated: December 2022)- Project title: “Shoreline Change Analysis and Erosional Hotspot Alternatives for Harrison County, Mississippi’s Nourished Sand Beach”.
7. Andrew Shillingsford (MS-Project, Graduated: December 2021)- Project title: “Spatial Validation of a Coastal Hydrodynamic Numerical Model”.
8. Michael Logar (MS-Project, Graduated: December 2021)- Project title: “Scour Prediction including RSLR, a Case Study of Hampton Harbor Bridge”.
9. Nicholas Bragaia (MS-Project, Graduated: May 2021)- Project title: “Identification and Alleviation Methods for Localized Shoreline Erosion”.
10. Arash Aliabadi Farahani (MS-Project, Graduated: December 2016)- Project title: “The Analysis of Long-Term Wave Climate in Lake Michigan”.
11. Crystal V. Bloom (MS-Project, Graduated: August 2015) Thesis title: “Coastal Hazard Analysis for Modifying FEMA’s Effective Flood Insurance Rate Map at Point Chesapeake, Virginia Beach, VA”
12. Ellen Cava (MS-Course, Graduated: December 2021)

13. Rachel Franklin (MS-Course, Graduated: December 2016)

CONSULTING EXPERIENCE

- Statistical analysis of flow velocities and probabilistic assessment of extreme currents around bridge piles, *Sponsor: Chesapeake Bay Bridge-Tunnel*.

MEDIA

- Featured in WHRO/PBS Short Film “Historic Community Fights Flooding”, April 22, 2023 ([Link](#)).
- “A picture is worth a thousand roads: Sea level rise and local infrastructure”, Williamsburg Yorktown Daily (October 13, 2017), and the Illuminator (ODU’s College of Engineering Newsletter) (October 1, 2017), ODU NEWS (October 12, 2017).
- “ODU Researchers Lead Team Winning NSF Grant to Research Real-Time Flood Notification System for Motorists”, ODU NEWS (November 24, 2020) ([Link](#)).

SERVICE

Professional Community

- *Technical Panel and Committee Memberships*
 - National Science Foundation Proposal Review Panelist in 2019, 2021, 2022, 2024.
 - NSF-NHERI Decadal Visioning Task Group, 2023
 - Member of the ASCE Engineering Mechanics Institute (EMI)-Fluid Dynamics Committee, 2023-Present
 - Member of the ASCE-COPRI Coastal Engineering Science Committee, 2022-Present
 - California Climate Action Proposal Review Panelist, 2023.
 - Member of the Chesapeake Bay Program Scientific and Technical Advisory Committee (STAC), 2017 to evaluate boat wake impacts on shoreline erosion.
- *Editorials*
 - Guest Associate Editor in “Coastal Flooding: Modeling, Monitoring, and Protection Systems”, Special Issue in *Frontiers in Climate*.
- *Proposal Reviewer*: National Science Foundation, North Carolina Sea Grant, Minnesota Sea Grant
- *Journal/Conference Reviewer*
Journal of Fluid Mechanics; Journal of Geophysical Research-Oceans; Journal of Physical Oceanography; Water Resources Research; Ocean Modelling; Journal of Hydrology; Journal of Engineering Mechanics; Journal of Waterway, Port, Coastal, and Ocean Engineering; Scientific Reports, Estuaries and Coasts; Journal of Marine Systems; Coastal Engineering Journal; Journal of Marine Science and Engineering; Shore & Beach; Proceedings of Offshore Mechanics and Arctic Engineering
- *Conferences/Workshops*
 - Session Moderator, International Conference on Coastal Engineering (Virtual), October 8, 2020

- Invited Participant to National Science Foundation’s Coastal Engineering Research Framework Workshop, Arlington, Virginia, November 13-14, 2018.
- Selected Participant in the National Science Foundation’s Coastlines and People (CoPe) Scoping Sessions, Atlanta, September 26-28, 2018.
- Session Moderator, Nearshore Processes, Ocean Sciences Meeting, New Orleans, LA February, 2016
- Session Facilitator, Design of Living Shorelines, Workshop on Engineering, Design and Implementation of Natural Coastal Infrastructure Solutions to Enhance Hampton Roads’ Resiliency, Norfolk, VA February, 2016

Department and University

- Diversity Equity and Inclusion Advocate in Faculty Searches and Departmental Policies, Civil and Environmental Engineering Department, Fall 2023 - present.
- Civil and Environmental Engineering Department representative in College Diversity Equity and Inclusion committee, Batten College of Engineering and Technology, Fall 2023 - present.
- Director of the Coastal Engineering Institute, Civil and Environmental Engineering Department, Spring 2022 - present.
- Laboratory safety committee, Civil and Environmental Engineering Department, Fall 2016 - present
- Batten College of Engineering and Technology Faculty Marshal, Spring 2018 Commencement.
- Student Project Committee member, Batten College of Engineering and Technology, Fall 2014 - Spring 2018.
- Faculty meeting secretary, Civil and Environmental Engineering Department, Fall 2014 - Spring 2016

COMMUNITY OUTREACH AND VOLUNTEER WORK

- Presenter in Career Day (Coastal Engineering), Larchmont Elementary School (Grades K-2), Norfolk, VA, June 6, 2023.
- Panelist for WHRO (NPR) Screening of the NPR/PBS Documentary, Weathering the Future, April 11, 2023.
- Panelist, Dune Systems and Coastal Resiliency in Virginia Beach, Organized by Lynnhaven River Now, November 17, 2020. ([YouTube Link](#)).

TEACHING

Graduate

1. Coastal Hydrodynamics and Sediment Processes (CEE 788/888), ODU
Every Fall since 2015
2. Dredging and Beach Engineering (CEE 787/887), ODU *Every other Spring since 2015*
3. Environmental Fluid Mechanics (CEE 795/895), ODU *Spring 2016*
4. Coastal Infrastructure Resiliency Module - Transportation Sustainability (CEE 595), ODU *Fall of 2015, 2016, 2017*

Undergraduate

1. Probability, Statistics, and Risk in Civil Engineering, ODU *Every semester since Spring 2018*
2. Hydromechanics (CEE 330), ODU *Every other Spring since 2016*
3. Exploring Engineering and Technology (ENG 110), ODU *Spring 2015*
4. Fluid Dynamics (CVEN 311)(Guest lecturer), TAMU *Spring 2011*

Other:

- Infrastructure Impacts of Sea Level Rise (Co-Instructor), Transportation Training Academy Workshop, University of Virginia *Virginia Beach, May 5, 2015*

LICENSURE AND TECHNICAL SKILLS

- Scuba Diving (Recreational License)
- Programming Languages/Engineering Softwares: Matlab, Mathematica, C, Fortran, Python
- Coastal and Ocean Models: SUNTANS, REFDIF, FUNWAVE, Delft3D, XBeach, SWAN, MONGOOSE (a RANS-VOF model), NHWAVE, GOTM
- Parallel Computing: Unix OS, Shell Scripting
- Other: ArcGIS
- Field measurement: Experimental planning and deployment/retrieval of sensors in coastal and ocean environment; analysis of wave and current data from pressure sensors and acoustic current meters (ADCP, ADV), and sediment data from optical backscatter sensors (OBS).

PROFESSIONAL MEMBERSHIPS

- American Geophysical Union (AGU)
- American Society of Civil Engineers (ASCE)
- Coasts, Oceans, Ports and Rivers Institute (ASCE-COPRI)
- Engineering Mechanics Institute (ASCE-EMI)



September 12, 2024

Subject: Textbook and Instructional Materials Affordability and Transparency Annual Report

Proposed Action:

Florida International University Board of Trustees approval of the Textbook and Instructional Materials Affordability and Transparency Annual Report.

Background Information:

Pursuant to section 1004.085, Florida Statutes, Education Access and Affordability, requires the Board of Governors and the State Board of Education to annually identify strategies to promote college affordability. Under this statute, all State University System institutions are required to submit a Textbook and Instructional Materials Affordability and Transparency Report that describes the institutional processes of selecting, adopting and posting course materials as well as undergraduate core curriculum course syllabi. In addition, the report must include an overview of institutional initiatives and policies designed to reduce the costs of course materials and promote college affordability.

Pursuant to Florida Board of Governors Regulation 8.003, Textbook and Instructional Materials Affordability and Transparency, each university board of trustees shall provide a report, by September 30 of each year, to the Chancellor of the State University System, in a format determined by the Chancellor.

Supporting Documentation: Textbook and Instructional Materials Affordability and Transparency Annual Report

Facilitator/Presenter: Heather Russell

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Textbook and Instructional Materials Affordability Annual Report

Instructions

1. Complete each tab/worksheet as designed. The template reflects the interpretation of the reporting requirements by Board staff.
Do not edit the content of the template. Expand the response space as needed.
2. Statutory due date is September 30, 2024.
3. If there are questions, contact Erica Vander Meer, Director of Academic and Student Affairs, at Erica.VanderMeer@fbog.edu
4. Include the university contact name and email for the staff who completed the report below:
5. Please note some cells are auto-calculated and do not require you to enter a figure. These cells are green.

University Contact Name and Email: Gitta Montoto (gmontoto@fiu.edu) and Paden Goldsmith (pgoldsmi@fiu.edu)

**Textbook and Instructional Materials Affordability Annual Report
Fall 2023 and Spring 2024**

University Submitting Report:
Florida International University

Date Approved by the University Board of Trustees:
12-Sep-24

Signature of Chair, University Board of Trustees:
Rogelio Tovar

Signature of President:
Kenneth Jessell

Textbook and Instructional Materials Selection Process

Report the textbook and instructional materials selection process used for general education courses with high enrollment. Include the course prefix(es) and number(s), the course title(s), and the total number of courses (n). In column "F," use the drop-down arrow in each cell to select the appropriate selection process. The methodology for determining high enrollment courses is as follows: *Order courses (course prefix/number) by headcount enrollment, excluding honors courses. The top 10% of courses are determined as high enrollment.*

General Education Courses with High Enrollment		Total Number of Course Sections (n =)	Selection Process	If "other," describe
Course Prefix &	Course Title			
<i>SLS 1501</i>	First Year Exper	143	Other (Describe in Column G)	Program director decides
<i>ENC 1101</i>	Writing and Rhetoric I	96	Department Committee	
<i>ENC 1102</i>	Writing and Rhetoric II	95	Department Committee	
<i>BSC 2010L</i>	Gen Biology Lab I	58	Other (Describe in Column G)	Lower-division lab coordinator selects the materials
<i>CHM 1045L</i>	Gen Chem Lab I	56	Combination of the Above	
<i>SPC 2608</i>	Public Speaking	47	Other (Describe in Column G)	Course director decides
<i>MAC 1105</i>	College Algebra	46	Department Committee	
<i>AMH 2020</i>	Amer Hist Since 1877	26	Combination of the Above	
<i>ECO 2013</i>	Principles Macroeco	23	Combination of the Above	
<i>MAC 1147</i>	PreCal Alg and Trig	22	Combination of the Above	
<i>MUL 1010</i>	Music Lit/Appreciation	16	Combination of the Above	
<i>ECO 2023</i>	Principles Microeco	16	Combination of the Above	
<i>CHM 1045</i>	Gen Chemistry I	10	Combination of the Above	
<i>BSC 2010</i>	General Biology I	9	Combination of the Above	

Course Sections with No Cost for Textbooks/Instructional Materials

Report the total number of course section(s) offered including exceptions and the total number of course sections that did not require or recommend the purchase of a textbook(s)/ instructional materials and/or utilized open educational resources. These may include general education courses, upper level courses, and courses for directed independent study, internships, thesis/dissertation, etc. Include any courses canceled within 45 days of the first day of class in the total number of course sections.

Fall 2023	
Total Number of Course Sections Offered (Including Exceptions)	7,429
Total Number of Course Sections Offered with No Cost Materials	3,555
Percent of Course Sections with No Cost Materials (Auto-Calculated)	48%

Spring 2024	
Total Number of Course Sections Offered (Including Exceptions)	7,204
Total Number of Course Sections Offered with No Cost Materials	3,453
Percent of Course Sections with No Cost Materials (Auto-Calculated)	48%

Board Action Plan - Low Cost Course Materials

Report the total number of course section(s) offered including exceptions and the total number of course sections that required or recommended textbook(s)/instructional materials for \$20 or less per credit hour (e.g., \$60 or less for a three-credit-hour course), which meets the State University System of Florida Action Plan for the Pricing of Textbooks and other Instructional Materials. Include any courses canceled within 45 days of the first day of class in the total number of course sections.

Fall 2023

Total Number of Course Sections Offered (Including Exceptions)	7,429
Total Number of Course Sections Offered with the Cost of Materials at \$20 or less per credit hour	4,205
Percent of Course Sections Offered with the Cost of Materials at \$20 or less per credit hour (Auto-Calculated)	57%

Spring 2024

Total Number of Course Sections Offered (Including Exceptions)	7,204
Total Number of Course Sections Offered with the Cost of Materials at \$20 or less per credit hour	4,059
Percent of Course Sections Offered with the Cost of Materials at \$20 or less per credit hour (Auto-Calculated)	56%

Describe specific initiatives of the institution designed to reduce the costs of textbooks and instructional materials.

Affordability Counts Initiative

FIU's Affordability Counts initiative is dedicated to working with faculty across Florida to foster adoption of low-cost course materials. In collaboration with FIU Online and partner institutions such as the University of Central Florida, University of North Florida, University of South Florida, Florida A&M University, Florida Atlantic University, and Lake Sumter College, faculty members are encouraged to use open educational resources (OER) or other affordable materials in their courses that do not exceed \$20 per credit hours. By adopting these resources, the Affordability Counts Initiative awards a digital Affordability Counts Medallion to display on their course sites that designates their course as a low-cost materials course. Courses that receive the Affordability Counts Medallion are featured in a statewide searchable database (<https://affordabilitycounts.org>) which is developed and maintained by FIU Online. This database is a valuable knowledge sharing tool for instructors, which makes it easy to find and adopt low-cost course materials. In 2023-2024 the website and database received 3400+ visits and had 31,256 page views.

FIU Libraries

The FIU Libraries' collection development mission is to purchase e-materials whenever cost effective, feasible, and possible. Many faculty reach out to their library subject liaison to request e-books and other online materials. Oftentimes, the course materials wanted by faculty are easily obtainable in electronic formats.

Leganto, a third-party LTI that allows course resource lists to be curated seamlessly in Canvas at zero-cost to students, optimizes the use of library collections as well as open educational resources (OER) in general, and reduces the administrative burden on faculty. Since the 2023-2024 pilot of Leganto was successful, a working group has been established to assist faculty with using this application. In addition, many of the 400+ Library Research Guides include curated content that is cost-free to students; this LTI is being heavily used in Canvas.

The FIU Libraries continue to support faculty in shifting to new models for course materials and on acquiring e-resources with unlimited simultaneous user access. Faculty may embed and use the materials in their courses, cost free for students. The library has access to over 2 million eBooks and more than 1,160 databases. The OER Library Guide provides alternative textbook options.

Course Reserves is a service available to FIU faculty to house pertinent course materials at the libraries available to students 24/7 free of charge. The Library Access Services department reports that from June 2023 through May 2024, the Course Reserve repository consisted of 12,422 items that were checked out by students (a slight increase from last year). In compliance with copyright law, loan types include books (majority), bound journals, articles, games, and equipment such as laptops, headphones and tablets.

FIU Libraries also are actively partnering with Open Syllabus, a non-profit research organization that analyzes millions of syllabi to support novel teaching and learning applications. Generic data analytics are public, while most recent data and advanced capabilities are reserved for schools, publishers, and institutional subscribers like FIU. Through tracking the uptake of OERs nationwide, Open Syllabus will give our faculty insights and clear pathways to adopt OER titles used by faculty peers across the nation teaching equivalent classes, and administrators the ability to report more precisely the OER adoption practices at our institution.

College of Law Library

FIU College of Law continues to invest in student success by leveraging library-provided digital resources to avoid out-of-pocket expenditures for expensive legal education materials. Students enjoy access to course materials from major legal publishers, including Aspen, West Academic, Thomson Reuters, Lexis, and Carolina Academic Press.

In 2023-2024, through strategic purchasing, the Law Library acquired ad-hoc course materials based on semesterly adoptions. These acquisitions are enabled by our existing subscription platform's capability to add titles as needed. The Law Library also leveraged digital course reserves, working with faculty to link recommended materials directly within students' Canvas courses. This improved student knowledge of and access to library-provided study aids and practice assessments. Finally, the Law Library added Practice Perfect from Aspen Publishers, which is directly aimed at exam and Bar preparation. The Law Library's combined affordability strategies saved students approximately \$351,000.00 across 87 courses in 2023-2024.

Financial Aid Textbook Advance

Students receiving financial aid may apply for a book advance through the Office of Financial Aid. This aid ensures that students can purchase their course materials prior to the start of the semester and are prepared for class on the first day.

Term: Count; Sum of Accepted

Fall : 1,319; \$ 413,109.92

Spring: 1,249; \$409,893.07

Grand Total: 2,568; \$823,002.99

Barnes & Noble Textbook Affordability Initiatives

FIU Barnes & Noble bookstores continue to offer cost savings through alternative formats such as used, rental and digital textbooks with new titles continuously added. Students may save as much as 80% by purchasing textbooks in alternative formats offered. The Price Match Program, originally started in Spring 2016, also passes significant savings on to students where applicable. Barnes & Noble has been a formidable partner in lowering textbook costs for our students over the years. The 2023-2024 academic year saw continued growth in students choosing to participate in FIU's inclusive access program branded as "Panther Book Pack", which was first launched in Fall 2021. In Fall 2023 a total of 33.5% opted out (compared to 47.5% in Fall 2022); and in Spring 2024 a total of 32.7% opted out (compared to 40.7% in Spring 2023). This indicates that more and more students understand the value of the program and choose to participate. Barnes & Noble reports that the Panther Book Pack program generated significant savings to students as follows: Fall 2023 = \$4,197,146 (25,782 students participated) and Spring 2024 = \$2,091,454 (25,459 students participated), for a total of \$6,288,600 this year.

Public Posting of Textbook Adoptions and UCC Syllabi

In compliance with BOG Regulation 8.003 Textbook and Instructional Materials Affordability and Transparency, FIU implemented the public Textbook and Instructional Materials (TIM) Explorer portal at <https://tim.fiu.edu> in July 2022. The TIM Explorer is a searchable database to view, search and print required and recommended textbooks and instructional materials across all FIU courses for five years. Undergraduate Core Curriculum (UCC) syllabi were initially accessible via the TIM Explorer as well but were transitioned to our new syllabi portal at <https://fiu.simplesyllabus.com> effective Fall 2023. The third-party provider, Simple Syllabus, allows FIU faculty to enter and maintain their syllabi information centrally and ensures that all syllabi are posted as stipulated by the BOG.

Collective Textbook Affordability Efforts at FIU

The collective textbook affordability efforts driven by FIU Online, the FIU libraries, Center for the Advancement of Teaching, Enrollment Services, our bookstore partner Barnes & Noble, and many faculty and administrators ensure that low- and no-cost materials are made available to our students whenever possible. Combined, they ensure that the Panther Book Pack program rate of \$20 per credit hour for required print and digital materials in undergraduate courses is sustained at that low rate.

Has the *opt-in* provision been implemented by your institution for the purchase of student materials? If yes, describe the impact this has had on student savings, if any.

The University has not implemented an opt-in program.

Has the *opt-out* provision been implemented by your institution for the purchase of student materials? If yes, describe the impact this has had on student savings, if any.

Launched first in Fall 2021, the Panther Book Pack is FIU's inclusive access program in partnership with Barnes & Noble. The Panther Book Pack offers the required textbooks and instructional materials in undergraduate courses at a flat rate of \$20 per credit hour. Students may choose to have the materials shipped to them at an off-campus location, get them at the on-campus bookstore, or access them digitally on Canvas. Materials provided through the Panther Book Pack program are available to participating students on the first day of class, ensuring that they keep up with course requirements and do not fall behind. Students may opt-out of the program in our student registration system and obtain the materials on their own if they wish to do so. Barnes & Noble reports the total savings passed on to students for 2023-2024 is \$6,288,600. The break-down by semester is Fall 2023 = \$4,197,146 (25,782 students) and Spring 2024 = \$2,091,454 (25,459 students). Student opt-out trends indicate that students understand the program and opt out to realize the greatest savings. Opt-out % trend: Fall 2022 (47.5%), Spring 2023 (40.7%), Fall 2023 (33.5%), Spring 2024 (32.7%).

University Policies for the Posting of Textbooks and Instructional Materials & Compliance with the Posting Deadline

Describe policies implemented to ensure the posting of textbooks and instructional materials for at least 95% of all courses and course sections 45 days before the first day of class.

The University continues the innovative Panther Book Pack (PBP) inclusive access program for significant savings for all undergraduate students. Since the PBP guarantees that students have the required course materials available to them by the first day of class (print and digital) at the flat rate of \$20 per credit hour, students no longer need to search to purchase the textbooks and instructional materials at a low cost prior to semester start unless they opt out. FIU's institutional deadline for adoptions of required and recommended course materials is 30 days prior to the State's legal deadline. Faculty diligently post their adoptions in the Adoptions & Insights System 45 days prior to the first day of classes for each term.

Are the policies effective in meeting the reporting requirement? If not, what measures will be taken by the university to increase faculty and staff compliance for meeting the reporting requirement?

Since Fall 2023, all UCC course syllabi have been entered in Simple Syllabus, a customized third-party portal that enables faculty and the administration to ensure that all syllabus requirements are met and the syllabi are posted publicly for viewing, searching and downloading. While our textbook partner is not able to provide the required information for all adopted textbooks via their systems, in Simple Syllabus we are able to enforce the posting of all required textbook information.

Published List of Required and Recommended Textbooks and Instructional Materials	
Please use the drop-down options to confirm the published list of required and recommended textbooks and instructional materials includes the following information.	
Information Required	Affirm Information is Included
International Standard Book Number (ISBN) or Other Identifying Information	Included
Title	Included
All Authors Listed	Included *
Publishers	Included
Edition Number	Included
Copyright Date	Included *
Published Date	Included *
Searchable by Course Subject, Course Number, Course Title, Name of Instructor, Title of Material, and Author(s) of Material	Included
Material Information is Easily Downloadable by Current and Prospective Student	Included

*FIU reports all required information as received from our textbook partner.

Published Course Syllabus Requirements	
Please use the drop-down options to confirm the course syllabus of the general education core course options identified pursuant to section 1007.25, Florida Statutes include the following information.	
Information Required	Affirm Information is Included
Course Curriculum	Included
Goals, Objectives, and Student Expectations of the Course	Included
How Student Performance will be Measured	Included

Link to Published List of Required and Recommended Textbooks and Instructional Materials
Please provide a link to the webpage housing the information listed under "Published List of Required and Recommended Textbooks and Instructional Materials.". If each course section has its own website link, please provide one example link.
Please Provide Link Below
https://fiu.simplesyllabus.com

Link to Published List of Course Syllabi for General Education Courses	
Please provide links to the webpages housing the information under "Published Course Syllabus Requirements."	
Please Provide Links Below	
Communication	https://fiu.simplesyllabus.com
Humanities	https://fiu.simplesyllabus.com
Mathematics	https://fiu.simplesyllabus.com
Natural Sciences	https://fiu.simplesyllabus.com
Social Sciences	https://fiu.simplesyllabus.com

Exceptions

Per Board of Governors Regulation 8.003(1)(h), Textbook and Instructional Materials Affordability, any request for an exception to the compliance deadline shall be submitted in writing to the designated university official and shall provide a reasonable justification for an exception. A course or section added after the notification deadline is exempt from this notification requirement. Include any courses canceled within 45 days of the first day of class in the total number of course sections.

Fall 2023				
Total # of Course Sections (Not Including Exceptions)	# of Course Sections Identified As Exceptions	Total # Of Course Sections Including Exceptions (Column A + Column B) (Auto-Calculated)	% Of Total Course Sections That Were Identified As Exceptions (Auto-Calculated)	Reasons For Exceptions
5573	1856	7429	25%	Class location, course change, instructor change, non-lecture/-lab, instructor justification.

Spring 2024				
Total # Of Course Sections (Not Including Exceptions)	# Of Course Sections Identified As Exceptions	Total # Of Course Sections Including Exceptions (Column G + Column H) (Auto-Calculated)	% Of Total Course Sections That Were Identified As Exceptions (Auto-Calculated)	Reasons For Exceptions
5419	1785	7204	25%	Class location, course change, instructor change, non-lecture/-lab, instructor justification.

University Requirements for the Posting of Textbooks and Instructional Materials & Compliance with the Posting Deadline

Use the tables below to report the total number of course sections offered at the 45-day posting deadline, the number of course sections that met the posting requirement, the number of course sections that changed materials after the posting deadline, and the number of course sections that did not meet the posting requirement. Include any courses canceled within 45 days of the first day of class in the total number of course sections.

Fall 2023					
Total Course Sections at the 45 Day Posting Deadline (Not Including Exceptions)	# Of Course Sections Meeting Requirement (Not Including Course Sections That Changed Adopted Materials After The Deadline)	% Of Course Sections Meeting Requirement (Auto-Calculated)	# Of Course Sections That Changed Adopted Course Materials After The Required Posting Deadline	# Of Course Sections Not Meeting Requirement (Including Course Sections That Changed Adopted Materials After The Deadline)	% Of Course Sections Not Meeting Requirement (Auto-Calculated)
5,573	5,481	98%	42	92	1.65%

Spring 2024					
Total Course Sections at the 45 Day Posting Deadline (Not Including Exceptions)	# Of Course Sections Meeting Requirement (Not Including Course Sections That Changed Adopted Materials After The Deadline)	% Of Course Sections Meeting Requirement (Auto-Calculated)	# Of Course Sections That Changed Adopted Course Materials After The Required Posting Deadline	# Of Course Sections Not Meeting Requirement (Including Course Sections That Changed Adopted Materials After The Deadline)	% Of Course Sections Not Meeting Requirement (Auto-Calculated)
5,419	5,327	98.30%	45	92	1.70%

****Note:** Per Board Regulation 8.003 (1) (h), a course or course section added after the posting requirement is considered an exception and should be reported on the "Exceptions" tab. A request for any other exception to the compliance deadline shall be submitted in writing to the designated university official and shall provide a reasonable justification for an exception. A course or section added after the notification deadline is exempt from this notification requirement.



September 12, 2024

Subject: Honorary Degree Nomination

Proposed Action:

Florida International University Board of Trustees endorsement of Diane Ramy Faulconer as a recipient of a Doctor of Science, *honoris causa* from Florida International University.

Background Information:

The nomination was recommended by the Faculty Senate on Tuesday, November 14, 2023.

The nominee was approved by the University President and Provost to receive an honorary degree at Commencement.

Florida Board of Governors Regulation 3.004, Honorary Degrees, provides that each university board of trustees shall establish policies and procedures for recommending candidates for honorary degrees.

Supporting Documentation: Bio for Diane Ramy Faulconer

Nomination letter for Diane Ramy Faulconer

Recommendation memo from the Faculty Senate Honorary Degree and Awards Committee

Facilitator/Presenter: Elizabeth M. Bejar

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Diane Ramy Faulconer '74, MSM '74, RN

Diane Ramy Faulconer has over 30 years of nursing experience in management consulting and healthcare operations. She earned a nursing degree at New Britain General Hospital School of Nursing, followed by a bachelor's in health sciences and master's in management from FIU. She is a former executive consultant for Ernst & Young, former owner of Diane Ramy Faulconer Management Consulting Services, has served as director of surgical services for Boca Raton Community Hospital, and as director of nursing for operating rooms and coordinator for emergency medicine and ambulatory services at Mount Sinai Hospital Center of Greater Miami. A Who's Who in American Nursing, Diane shows an incomparable passion for bettering nursing education and practice, traveling extensively within underdeveloped countries to share her expertise. Diane has published over 37 articles in professional journals, was a member of the Association of Operating Room Nurses (AORN) and was an awardee of the AORN research grant on preoperative priorities.

A devoted Panther, Diane has received the FIU Torch Award, the FIU Alumni of the Year Award, and the prestigious FIU Commencement Medallion as Outstanding Alumna. She is a founding member of the Dean's Leadership Council of the Nicole Wertheim College of Nursing & Health Sciences. Diane's philanthropic commitments are the largest of any FIU alumna, including endowments for the Diane Ramy Faulconer Simulation Teaching and Research (STAR) Center, Diane Ramy Faulconer Collaborative Advanced Rehabilitation/Research & Education (CARE) Center, and legacy giving for scholarship endowments. Diane has also funded 156 scholarships for FIU's graduate nursing and health sciences students since 2015.

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[via e-mail]

April 4, 2023

Dr. Deanne Butchey
*Chair of the Honorary Degree
and Awards Committee 2022-2023*
Faculty Senate Office
11200 SW 8 Street, PC 225
Miami, FL 330199

RE: Honorary Degree Nomination of Diane Ramy Faulconer '74

Dear Dr. Butchey:

It is a privilege to nominate Diane Ramy Faulconer '74 for an Honorary Doctoral degree in Nursing. Mrs. Faulconer is as an outstanding alumna who has attained significant achievements in the field of nursing and made significant contributions to Florida International University. With over thirty years of nursing experience in management consulting and health care operations, Mrs. Faulconer has impacted the healthcare community worldwide. As a former Executive Consultant for Ernst & Young and the former owner of Diane Ramy Faulconer Management Consulting Services, Mrs. Faulconer has traveled the world sharing her expertise in surgical services, operating room management, post-anesthesia care, emergency medicine, and ambulatory services. Mrs. Faulconer's influence in the healthcare community and her steadfast support and contributions to healthcare and academia over the years, is documented by her fellowship and scholarship. Diane Faulconer's impact on the field is evidenced by an array of publications in professional journals covering quality circles, managerial stress, block scheduling, specialty teams, communication styles, clinical ladders, and operating room reorganization.

A dedicated academic advocate and supporter of the Nicole Wertheim College of Nursing and Health Sciences and Florida International University, Diane Ramy Faulconer has focused on supporting innovation, excellence, and interprofessional collaboration. Diane Faulconer has been a catalyst for the college and the institution; assisting students and faculty with their academic and research journey towards finding health solutions that advance local, regional,

"We are fueled by intellect; driven by innovation and caring."

Office of the Dean

11200 SW 8th Street, Academic Health Center 3, Room 527

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and global health care initiatives. Mrs. Faulconer's philanthropic investments have driven and continue to provide opportunities for outstanding teaching, clinical practice and research excellence across health disciplines, which benefits public health. Through the *Diane Ramy Faulconer Simulation Education and Learning Endowment*, the *Diane Ramy Faulconer STAR Center Distinguished Lecture Series in Simulation Education Endowment*, and the *Diane Ramy Faulconer CARE Center Endowment*, she has made transformational investments in the development of well-educated clinical practitioners, faculty and researchers from multiple disciplines that collaborate to improve the health of families and communities. Within this context, Mrs. Faulconer's gifts have provided innovative learning environments where simulation technology facilitates inter-professional health care education, collaboration, research, and evidence-based practice. Diane's distinguished support of Florida International University has set the institution as a leading national and international center for teaching and research excellence and fulfilled the Nicole Wertheim College of Nursing & Health Sciences' 21st-century vision for interdisciplinary "High Touch-High Tech" education.

Diane Ramy Faulconer is an impactful legacy FIU donor who is changing the trajectory of modern nursing and health sciences. Mrs. Faulconer is ensuring the latest industry best practices are available to our FIU students and faculty. She is committed to improving the health of the nation by supporting quality education and training of healthcare providers and generations of scientifically based and innovative care delivery.

As FIU's most engaged alumna, Diane Ramy Faulconer received the FIU Torch Award in March 2015, the prestigious FIU Commencement Medallion as Outstanding Alumna in 2016, and FIU Alumni of the Year Award in 2018. In addition, she is a founding member of the Dean's Leadership Council of the Nicole Wertheim College of Nursing and Health Sciences. Her devoted support of nursing and health sciences students and their pursuit of excellence in healthcare and research, and contributions to the institutional maintenance of high-quality education programs address the goal and mission of Florida International University as a Top 50 public University. It is without reservation that I nominate Diane Ramy Faulconer for an honorary doctoral degree in nursing.

Sincerely,



Ora Lea Strickland, PhD, DSc (Hon.), RN, FAAN
Dean and Professor

"We are fueled by intellect; driven by innovation and caring."

Office of the Dean

11200 SW 8th Street, Academic Health Center 3, Room 527

Tel: 305-348-0407 • Fax: 305-348-7766



Chaplin School of Hospitality and Tourism Management

DATE: November 6, 2023

TO: Dr. Noël Barengo, Chair, FIU Faculty Senate

FROM: Steven V. Moll, Chair, FIU Honorary Degree and Awards Committee

SUBJECT: Nomination of Mrs. Diane Ramy Faulconer for an honorary degree at FIU

Dear Dr. Barengo:

The Honorary Degree and Awards committee met on October 13, 2023, to evaluate the portfolio of Mrs. Diane Ramy Faulconer for the award of an honorary degree at FIU. After extensive deliberation, the committee agreed that Mrs. Faulconer is a deserving candidate for this award and recommended that FIU award her the honorary degree.

Diane Ramy Faulconer '74, is as an outstanding alumna who has attained significant achievements in the field of nursing and has made significant contributions to Florida International University.

With over thirty years of nursing experience in management consulting and health care operations, Mrs. Faulconer has impacted the healthcare community worldwide. As a former Executive Consultant for Ernst & Young and the former owner of Diane Ramy Faulconer Management Consulting Services, Mrs. Faulconer has traveled the world sharing her expertise in surgical services, operating room management, post-anesthesia care, emergency medicine, and ambulatory services. Mrs. Faulconer's influence in the healthcare community and her steadfast support and contributions to healthcare and academia over the years, is documented by her fellowship and scholarship. Mrs. Faulconer's impact on the field is evidenced by an array of publications in professional journals covering quality circles, managerial stress, block

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scheduling, specialty teams, communication styles, clinical ladders, and operating room reorganization.

A dedicated academic advocate and supporter of the Nicole Wertheim College of Nursing and Health Sciences and Florida International University, Diane Ramy Faulconer has focused on supporting innovation, excellence, and interprofessional collaboration. Diane Faulconer has been a catalyst for the college and the institution; assisting students and faculty with their academic and research journey towards finding health solutions that advance local, regional, and global health care initiatives. Mrs. Faulconer's philanthropic investments have driven and continue to provide opportunities for outstanding teaching, clinical practice and research excellence across health disciplines, which benefits public health. Through the *Diane Ramy Faulconer Simulation Education and Learning Endowment*, the *Diane Ramy Faulconer STAR Center Distinguished Lecture Series in Simulation Education Endowment*, and the *Diane Ramy Faulconer CARE Center Endowment*, she has made transformational investments in the development of well-educated clinical practitioners, faculty and researchers from multiple disciplines that collaborate to improve the health of families and communities. Within this context, Mrs. Faulconer's gifts have provided innovative learning environments where simulation technology facilitates inter-professional health care education, collaboration, research, and evidence-based practice. Diane's support of Florida International University has set the institution as a leading national and international center for teaching and research excellence and fulfilled the Nicole Wertheim College of Nursing & Health Sciences' 21st-century vision for interdisciplinary "High Touch-High Tech" education.

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As FIU's most engaged alumna, Diane Ramy Faulconer received the FIU Torch Award in March 2015, the prestigious FIU Commencement Medallion as Outstanding Alumna in 2016, and FIU Alumni of the Year Award in 2018. In addition, she is a founding member of the Dean's Leadership Council of the Nicole Wertheim College of Nursing and Health Sciences. Her devoted support of nursing and health sciences students and their pursuit of excellence in healthcare and research, and contributions

to the institutional maintenance of high-quality education programs address the goal and mission of Florida International University as a Top 50 public University.

This nomination was submitted by Dr. Ora Lea Strickland, PhD, Dean and Professor, Nicole Wertheim College of Nursing & Health Sciences, Florida International University.

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ACADEMIC AFFAIRS REGULAR REPORTS

- I. Academic and Student Affairs**
- II. Enrollment Management and Services**
- III. Faculty Senate**
- IV. Florida International University and Baptist Health South Florida Collaboration**
- V. Information Technology**
- VI. Research and Economic Development / University Graduate School**

I. ACADEMIC AND STUDENT AFFAIRS

1. Top Veteran-Friendly School

On the heels of FIU's recent designation as a Florida Collegiate Purple Star Campus by the State University System Board of Governors, the university has also been named a 2024 Top Veteran-Friendly School by *U.S. Veterans Magazine*. These honors recognize FIU's dedication to serving student veterans and military-affiliated learners on a holistic level by facilitating personalized, wraparound support services, hosting social engagement opportunities on campus, helping learners understand and access V.A. education benefits, and facilitating mission-driven service within the community.

2. Career Development uConnect Platform

FIU's [career development website](#) migration to the uConnect platform has proven fruitful. The newly relaunched website, which is managed by the Office of Career and Talent Development, has seen nearly double the traffic its predecessor received last year (from January 1-July 31, 2024, the website saw 53,679 users and 81,777 total sessions; compared to 28,647 users and 46,745 total sessions in the same timeframe in 2023, when the website was hosted on its previous platform, Cascade). Additionally, since launching, the Office has integrated further offerings into the site, including:

- CandidCareer+, which caters to the "GenZ" audience through thousands of engaging videos on a range of career topics and pathways;
- Career Coach's Market Labor Insights powered by Lightcast, available through our membership in the Florida Consortium of Metropolitan Research Universities, which helps students and alumni learn about career opportunities, salaries, employers, industries, in-demand skills, employment trends, and more. Since the integration into FIU's career site, users of the Market Labor Insights have increased 40 percent.

3. Panthers' F1RST NIGHT

FIU launched another productive and exciting academic year on August 26 with Panthers' F1RST NIGHT, a roaring celebration of FIU spirit capping off the first day of Fall 2024. More than 6,000 students and an additional 3,000 alumni, faculty and staff, and family members packed the newly renamed Pitbull Stadium to enjoy a warm welcome from university leadership, make new friends, and explore the many and varied ways they can get involved in FIU's vibrant campus life. While F1RST NIGHT is now in its third year, 2024 marked the first year that the university also hosted Panther Convocation, our annual formal ceremony in which thousands of new Panthers are formally inducted into the college experience, during the event. In addition to enjoying live music, food trucks, and entertainment, students had the opportunity to meet with dozens of organizations, programs, and clubs across the university to learn how they can maximize their FIU experience and explore their interests and passions alongside their studies.

II. ENROLLMENT MANAGEMENT AND SERVICES

1. University Admissions

The Common Application opened on August 1 for the first-year class of 2025. We are implementing a new admission plan this year including non-binding early action for students who attend a Florida High School; and three release dates. Admissions decisions that are released on December 11 and January 22 will be coordinated with merit scholarship decisions and Honors College decisions.

University Admissions staff began recruitment activities in August. The first recruitment events were held in Puerto Rico followed by central-west Florida and school counselor events. We are also hosting a group from Central America on August 31; we have plans to make a recruitment trip to Honduras, Nicaragua, and Mexico later this year or in early 2025.

2. Connect4Success

To date, 3,299 students have been invited to join our C4S 2024 (Summer/Fall/Spring) cohort (1,000 more than in 2023). At the time of this report, 1,035 students accepted the invitation (31% acceptance rate; 1% higher than 2023). An additional 299 new students joined the C4S pathway voluntarily (high school direct or opt-in while at partner college). Combined, we have a total of 1,334 new C4S students. We will welcome new students to the pathway at a virtual information session and annual Kickoffs held at our three primary partner colleges (Broward College, Miami Dade College, and Palm Beach State College).

We continue to develop intentional agreements with local, regional, and national partners to support guided transfer pathways to FIU. We recently signed new agreements with Santa Fe College (Gainesville) and Florida State College at Jacksonville.

III. FACULTY SENATE

From May 2024 to August 2024, the Faculty Senate (FS) and the Steering Committee of the Faculty Senate met two times. Below are some highlights:

June 2024

- Faculty Senate approved the revision of Graduate Policy #380.025 – Revisions to Graduate Program Requirements, Policies and Procedures
- The Faculty Senate approved the recommendation of the Honorary Degree and Awards Committee that an Honorary Degree be granted to Diego Suarez.
- Provost Bejar presented an update regarding the FIU Strategic Plan 2025-2030. This was followed by a Q&A session.

July 2024

- Special meeting of the Faculty Senate was held to discuss modifications of course description and course learning outcomes of the University Core Curriculum courses in accordance with BOG Regulation 8.005 General Education Course Options, Section 1007.55 and Florida Statute and Section 1007.25, Florida Statute.
 - Modifications of 37 courses were approved.
 - One course was removed.
 - It was approved to keep seven courses in the University Core Curriculum without any modification.

IV. FLORIDA INTERNATIONAL UNIVERSITY AND BAPTIST HEALTH SOUTH FLORIDA COLLABORATION

Update as of August 7, 2024.

1. Joint Graduate Medical Education (GME) programs

All necessary institutional approvals have been obtained in order to submit documentation for the Sponsoring Institution transfer of all GME programs from BHSF to FIU as planned in early September. In preparation for the transfer, all Master Agreements and Program Letters of Agreement with clinical sites must be re-executed with FIU (in progress). Plans for resident employment and benefits have been reconciled. The organizational structure of the new joint Office of GME has been determined and employee transitions are set to begin at the end of August. A process to consider and prioritize new programs and will go live on August 12th. New FIU program websites are under construction and set to launch simultaneously with the Sponsoring Institution transfer. Joint recruitment for the FIU-BHSF

programs in Internal Medicine, Neurology, Diagnostic Radiology, and Family Medicine are underway. Recruitment will begin for General Surgery in mid-September (when accreditation approval is expected). All programs are on track to begin training residents in July 2025.

2. Joint Research Initiatives

The research committee has made decisions on investments, including initiating a program to fund pilot grants that will require submissions of Projects that will require joint PI's, one from FIU (PhD) and one for Baptist (MD). Additionally, the pilot project website is now live, with the project due date set for August 14th. The committee will soon begin recruitment for several positions based on the recently approved budget, including one PhD Coordinator (1 FTE) and three Tissue Bank staff personnel (3 FTEs). The committee is currently working on developing process for joint grant submissions through FIU grant office. Furthermore, the committee is actively gathering research opportunities to share with FIU COM medical students, enhancing the collaborative efforts between the institutions.

3. Clinical ACC Assessment

The clinical integration transition will occur in four separate phases, with each phase having a standalone business model. Currently, the clinical committee is finalizing the specifics of Phase 1, which will include transitioning the ACC clinic operations to Baptist Health with the existing structure. Phase 1 will be presented to the Steering Committee for approval over the next month. Phase 2 will focus on growing the existing clinical services currently offered at the ACC while expanding by adding new service lines. Phase 3 involves recommending the clinical programming for the new medical center. This clinical program for Phase 3 is scheduled to be completed by October. Phase 4, which will occur in parallel with Phase 2, will focus on the potential collaboration with ORED on the potential utilization of existing diagnostic equipment located on campus.

4. Joint Marketing

The team has been diligently working on developing brand guidelines, including logo lockup designs. The FIU/BHSF marketing group participated in a branding retreat and will continue refining the logo lockup options, with further updates expected in mid-August. The GME Education website is being prioritized to ensure it goes live by September 1st, in alignment with the Sponsoring Institution transition. The committee continues to prioritize all necessary branding around GME recruitment.

5. Medical Center

We have successfully finalized and approved the program outline for the medical center building, detailing the scope, requirements, and objectives. This comprehensive document has been reviewed and endorsed by the Joint Development Committee and subject matter experts, ensuring it meets the highest standards. With this approval, we have now advertised for Architectural/Engineering services, clearly communicating our needs to attract qualified firms. This marks a significant milestone, paving the way for the next phase of the project.

V. INFORMATION TECHNOLOGY

1. Cybersecurity Company Outage

To stay ahead of new and evolving cyber threats, security products routinely deliver content updates which can include gathering telemetry, new threat detection patterns, vulnerability detections, and other crucial improvements. By regularly performing these updates, security products can quickly adapt to emerging threats, ensuring robust protection for users and their systems.

On July 19, 2024, a cybersecurity company, CrowdStrike, released a software update to certain Windows that caused IT systems to crash. The crashes were due to a defect in the update, which went undetected due to a failure in the validation process. The impact of this incident was felt worldwide in virtually every industry. Microsoft estimates that the update affected 8.5 million Windows devices which disrupted air travel, banking, and hospital operations.

At FIU, over 129 servers were impacted which caused a temporary outage to systems such as MyFIU, ImageNow, Canvas and all sites under the authentication platform. Additionally, over 1,200 workstations were also impacted. The Division of IT worked diligently to remediate the issue and provide workarounds to IT administrators across the university. All critical systems were operational prior to the start of the business day, and all potentially impacted workstations were identified. The division maintained transparency and open lines of communication with the university community and worked closely with IT administrators to ensure minimal impact to university operations.

2. Enterprise-Wide Cloud Strategy Update

The division continues to leverage cloud technology to house systems and applications which allow for greater scalability, higher service availability, protect FIU services from natural disasters, and give FIU broader access to emerging technologies. The division is completing the migration of the Enrollment Services Call Center from on-premises to a cloud-based provider. A cloud-based call center will help enhance the student experience, improve efficiencies, help manage costs, and leverage data for better informed decision-making. This move will also enhance security, provide better metrics, an integration to the university's customer relationship management (CRM) software and will store call statistics and recordings in the cloud. This cloud infrastructure relies on a multi-location redundancy within the US which augments our disaster recovery capabilities; reduces our dependency on our on-premises systems and diminishes the university's risk during hurricane season.

3. Cybersecurity Education and Workforce Development

The Division of IT is committed to cybersecurity education to protect digital resources and help generate talent to minimize the gap in the workforce. For the eighth year in a row, the Division of IT along with several industry partners, hosted the Secure Miami Cybersecurity Conference on Thursday, May 2, 2024. This year's conference brought together over 350 attendees who explored cutting-edge strategies, disruptive technologies and collaborative approaches that accelerate the future of cybersecurity.

Additionally, the division, in collaboration with the Jack D. Gordon Institute for Public Policy, and New America hosted the annual NICE Conference and Expo in Dallas, Texas from June 3 – 5, 2024. More than 600 attendees participated in the conference, which focused on "Strengthening Ecosystems: Aligning Stakeholders to Bridge the Cybersecurity Workforce Gap." The conference provided an opportunity for the community to share effective practices and solutions to advance the vision of "prepare, grow, and sustain a cybersecurity workforce that safeguards and promotes America's national security and economic prosperity."

VI. RESEARCH AND ECONOMIC DEVELOPMENT / UNIVERSITY GRADUATE SCHOOL

1. External Grant Awards' Performance

The total value of awards received for fiscal year (FY) 2023–2024 was \$249.3M. This represents a 4% decrease when compared with the previous FY (\$259.4M). Among colleges, an 11% increase in awards was observed for the College of Engineering and Computing (\$82.1M compared to \$74.3M). Amongst those awards, a total of \$15.7M was awarded to the Department of Mechanical and Materials Engineering, representing a 73% increase (\$13.9M to \$24.1M). These awards consisted of two (2) initial

awards (\$13.4M) and one continuation award (\$2.3M) from the US Department of Defense; Coastal Subsurface Monitoring (\$9.8M) is the monitoring of the urbanized coastal subsurface in the context of impacts of sea level rise on high-value infrastructure. The Robotics and Autonomous Systems Laboratory for Coastal Conservation and Restoration (RASCAR) (\$9.5M) received the second highest award for enhancing our technological abilities and approaches to coastal ecosystem monitoring, restoration and conservation. The third highest award was granted to Advancing High Deposition Rate Additive Manufacturing Materials and Technologies (\$2.3M) seeking to advance scientific understanding, development of tools and techniques and guide technological engineering developments for high deposition rate additive manufacturing (HDRAM) of material build-up in HDRAM processes.

Total funding received by centers and institutes decreased by 12%, from \$127M to \$111.6M. However, among centers and institutes, the Institute of Environment (IoE) had an increase of 33%, from \$36M to \$48M; the STEM Institute had a 25% increase, from \$7.4M to \$9.3M; and the Applied Research Center (ARC) had an increase of 49% (from \$0.69M to \$1M). The distribution of awards received by funding sources did not vary much between fiscal years. In FY 2023-2024, federal sources accounted for 83% of total funds received (versus 78% last FY); private and other sources were 9% (versus 12% last FY), and state/local government were 8% (versus 10% last FY) of total funds received.

2. Innovation, Partnerships and Economic Development

StartUP FIU supported the successful award of \$19.5M over five years from the U.S. Economic Development Administration (EDA) to fund the South Florida ClimateReady Tech Hub. Led by Miami-Dade County, the ClimateReady Tech Hub aims to advance leadership in sustainable and resilient infrastructure (SRI) solutions for the global climate crisis. Additionally, StartUP FIU received notice of funding for \$100,000 over two years from the Department of Energy. With assistance from StartUP FIU, four (4) faculty teams applied towards \$50K each the National NSF I-Corps. These four teams received \$200K in total, bringing the annual number of I-Corps grants received this year to seven and the total amount received this year to \$350K. Since July 2018, StartUP FIU has supported 33 teams and facilitated \$1.65M in I-Corps grant funding. StartUP FIU mentored 23 students during the last quarter, including the winning national team for the Ford Tech for Social Impact Accelerator Competition (\$25K). The Hacker Nation learning community hosted 152 students and community members this quarter. Staff also supported the Florida Department of Commerce & Select Florida's "Florida Pitch Day at FIU" event. As part of the planning team, we were able to include 8 startups and ideas (out of 25 total) from students, faculty and community partners in the pitch. In addition, during FY 2023-2024, FIU researchers had 82 intellectual property disclosures, filed 50 patents, received 58 patents (112 for calendar year 2023), and executed 20 license agreements. Licensing income received during FY 2023-2024 was \$382,706.98.

3. University Graduate School (UGS)

During fiscal year (FY) 2023-2024, FIU received 2,972 Ph.D. applications, a 4.6% increase over the same time last year. Master's applications decreased by 4% from last year with a total of 12,210 applicants. Applications to Specialist programs increased by 12.5% with a total of 72. The number of admitted students are down by 5.96% from the previous year, with a decrease of 63 (8.5%) for Ph.D. students and a decrease of 334 (5.6%) for master's students. Graduate student enrollment from the previous year is down -3.7% with a decrease of 43 Ph.D. students (-8.5%) and a decrease of 136 (-3.7%) master's students. The University Graduate School (UGS) held the annual Graduate Student Appreciation Week, in collaboration with the Graduate & Professional Student Committee (GPSC). Various events celebrating graduate students took place on all FIU campuses and in different programs and colleges. UGS hosted 3 events that week: Scholarly Forum and Resource Fair, PhD Career Pathways Panel, and UGS Excellence Awards. Successful events during the year included the Scholarly Forum, where a record 110 graduate students delivered in-person poster presentations, and 68 FIU faculty and postdocs served as poster judges (another record). FIU PhD alumni participated in the PhD Career Pathways Panel,

providing valuable insight and discussing lessons learned. Four (4) FIU doctoral students were inducted into the Edward A. Bouchet Honor Society at the Annual Yale Bouchet Conference. The fellows were selected through an internal application process and represent Engineering and Computing, Public Affairs, and Earth System Sciences PhD programs. They were selected for their record of academic excellence and community and campus engagement. Institutional membership in the Bouchet National Society is by invitation only and FIU is among 20 academic institutions to be part of this prestigious network. To support high level research activity and scholarly productivity of FIU doctoral students, UGS launched a Graduate Student Publication Fund. The fund provided up to \$2,000 per student to cover open access article processing charges (APCs) for graduate students whose research papers have been accepted by peer-reviewed and reputable academic journals. To date, the Publishing Fund supported 10 doctoral students. In recognition of the pressing need to prepare doctoral students for a multitude of careers, UGS held its first in-person, two-day event (Accelerate to Industry—A2i), which introduced STEM doctoral students to industry. The program received 58 applications from various graduate programs, with 31 students accepted to participate. The program included a panel session of industry hiring managers and professionals, a networking lunch, talks on harnessing transferrable skills for diverse careers and communicating research to non-scientific audiences, as well as a leadership development training session.

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