#### The Florida Senate

**COMMITTEE MEETING EXPANDED AGENDA** 

#### EDUCATION POSTSECONDARY Senator Grall, Chair Senator Stewart, Vice Chair

	MEETING DATE:Wednesday, January 18, 2023TIME:10:00—11:30 a.m.PLACE:Toni Jennings Committee Room, 110 Senate Building			
	MEMBERS:		Chair; Senator Stewart, Vice Chair; Senators Bool and Yarborough	k, Collins, Garcia, Harrell, Jones,
TAB	BILL NO. and INTR	ODUCER	BILL DESCRIPTION and SENATE COMMITTEE ACTIONS	COMMITTEE ACTION
1	Update on the implement mathematics pathways		ative methods for college placement and	Presented
2	Presentation on state ( (2021)	university researc	h and associated requirements in CS/HB 7017	Presented

Other Related Meeting Documents



## Implementation of Senate Bill 366 (2021)

### **Senate Postsecondary Education Committee**

January 18, 2023



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# **Mathematics Pathways**



# Background

- Given the national focus on ensuring educational attainment match current and future workforce needs, it remains critical to highlight the barriers some students encounter when it comes to college completion.
- Mathematics education is among the top challenges, with Advancing Math Pathways for Student Success (2017) claiming: mathematics courses pose the most significant academic barrier to postsecondary attainment for millions of students each year.
- One reason is that the content of entry-level mathematics courses may not be aligned to the needs of today's college students in terms of **both their fields of study and workforce aspirations.**
- Students are far too often not placed in mathematics courses that cover content that they actually need to be successful, academically or professionally.



# Background

- For Florida College System (FCS) and State University System (SUS) institutions, Florida identified general education core mathematics courses:
  - MAC X105 College Algebra;
  - MAC X311 Calculus I;
  - MGF X106 Liberal Arts Mathematics I;
  - MGF X107 Liberal Arts Mathematics II;
  - STA X023 Statistical Methods.
- The Florida Student Success Center in the Division of Florida Colleges (DFC) engaged in a year-long, grassroots effort to identify ways to improve mathematics outcomes and alignment in Florida.



# Effect of Senate Bill (SB) 366 (2021)

- Required the establishment of mathematics pathways for students:
  - What: Three mathematics pathways and associated course sequences that align to the skills needed for success in college and career.
  - Why: Facilitate seamless transfer of credits, reduce excess credit hours, and ensure students take courses they need.
  - Who: A representative committee consisting of SUS faculty, faculty of career centers, and FCS institution faculty.



## **SB366 Implementation Update**

- Members of the committee began collaborating in fall 2021 to identify the three mathematics pathways and corresponding course sequences.
- A survey was disseminated to non-mathematics program faculty and administrators in the FCS and SUS to determine which mathematical skills students need for success.
- Based on the results of the survey and subsequent analyses, the three pathways that emerged were:
  - Algebra to Calculus;
  - Statistical Reasoning; and
  - Mathematical Thinking in Context.



# **Scope of Statewide Pathways**



### **Example – Architecture Pathway**





# **Implementation Update**

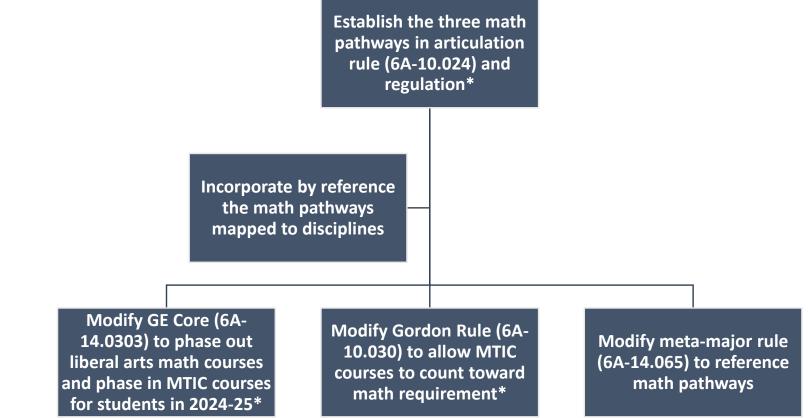
• In July 2022, the Articulation Coordinating Committee adopted the recommended pathways.

Pathway	Description	General Education Core Course
Algebra through Calculus	This pathway is intended for students whose academic program requires a foundation of algebra, followed by a sequence of courses that may lead to calculus.	MAC X105 College Algebra
Statistical Reasoning	Statistics is inherently a data-based discipline that requires students to recognize variability in data and to take it into account to make decisions in a way that acknowledges and quantifies uncertainty. Students in the statistical reasoning pathway will gain a statistical knowledge foundation in areas such as descriptive statistics, probability, and inferential statistics that will allow them to use and interpret data.	STA X023 Statistical Methods I
Mathematical Thinking in Context	This pathway recognizes mathematics as a characteristically human endeavor, and is intended for students in the broadest range of programs of study. In this pathway, students will explore a variety of mathematical concepts utilizing multiple ways of thinking to formulate and solve problems in context.	Mathematical Thinking (new course)



# **Implementation Update**

 To make the pathways available to students, rules and regulations will need to be modified.



\* Denotes a rule being considered by State Board of Education (SBOE) at its January 2023 meeting / MTIC = Mathematical Thinking in Context courses

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# **Next Steps**

- SBOE and Florida Board of Governors' approval of rules and regulations, respectively, to add pathways to the statewide articulation agreement.
- Creation and implementation of new course numbers for MTIC.
- Partnership with Florida Virtual Campus on creation of Open Educational Resources course shell for use across the state.
- Institutional survey instrument, results of which will be used to align the three pathways with academic and career disciplines.
- Ongoing technical assistance for new pathways and new courses.
- State and institutional curriculum processes (e.g., curriculum committees and frameworks, catalog updates, staff training, etc.).
  - Anticipated adoption for new students entering 2024-25 and thereafter.



# **Demonstrating College Readiness**



# Background

- Traditionally, colleges **exclusively used standardized test scores** to place students into college credit bearing coursework.
  - For Florida, approved common placement tests include the Postsecondary Education Readiness Test (PERT), ACCUPLACER, SAT, and ACT.
- However, **other measures can better predict success**. States and individual institutions have implemented policies that allow for the use of alternative methods (Ganga & Mazzariello, 2019).
- In May 2020, the Florida Department of Education (FDOE) issued DOE Order No. 2020-EO-02, which provided FCS institutions flexibility in the method by which students can demonstrate college-level communication and computation skills through fall 2020.
  - The temporary suspension of the common placement test requirement **did not appear to negatively affect dual enrollment students** in their first-term general education, gateway mathematics, and gateway English courses.
  - Additionally, Black, Hispanic, and free and reduced lunch students who were placed using an alternative method had higher course pass rates or were within 1 percentage point of dual enrollment students who were placed using a common placement test.



# Effect of SB 366

- In 2021, SB 366 amended multiple Florida statutes to expand the mechanisms institutions may use to assess readiness for college-level work, consistent with the temporary policy in place during the emergency order.
- FCS institutions can use these mechanisms (alternative methods) in lieu of, or in conjunction with, common placement tests for:
  - College Credit Admissions Counseling.
  - College Credit Dual Enrollment Eligibility.
  - Developmental Education Placement and Meta-Majors.
- In addition to identifying approved common placement tests, SB 366 required the SBOE to adopt rules to develop and implement alternative methods for assessing communication and computation skills.



## **Implementation Update**

- To identify potential alternative methods, FDOE conducted a survey to collect recommendations from the field.
- Each recommendation was accompanied by a minimum standard and evidence that the alternative method was a valid and reliable indicator of college readiness.
- Upon receipt of all recommendations, FDOE staff engaged in a two-tiered approach to recommend methods for SBOE consideration.



# **Implementation Update Continued**

## **Tests and Assessments**

## **High School Courses**

- Several of the recommended alternative methods were standardized tests, assessments, or exams.
- To determine an appropriate minimum standard, FDOE staff analyzed college readiness benchmark reports and consulted with assessment, research, and management experts in the department and externally.
- Several of the recommended alternative methods were grades in specific Florida high school courses.
- To determine which high school courses were appropriately aligned with college readiness standards, subject matter experts from FDOE conducted an analysis of alignment between K-12 standards and postsecondary learning outcomes.



## **Implementation Update Continued**

- At the February 9, 2022, meeting, the SBOE approved revisions to Rule 6A-10.0315, F.A.C.
- The amendment to Rule 6A-10.0315, F.A.C., added the following categories of alternative methods:
  - Tests and assessments (e.g., PSAT, PreACT, GED<sup>®</sup>)
  - Performance in high school coursework taught at Florida public high schools (e.g., algebra 1, geometry) and accelerated high school courses in combination with an unweighted 3.0 GPA.
  - Credit-by-examination (e.g., AICE, IB, AP); and
  - Local placement methods (Developmental Education Only).
- In addition to technical assistance associated with rulemaking, the Florida Student Success Center offered a professional development opportunity to a cohort of participating institutions planning to implement alternative methods. Ten (10) colleges are participating in the cohort.



# **Implementation Update Continued**

- Alternative methods for developmental education
  - In total, 18 out of 28 colleges are using at least one alternative method.
    - Tests and assessments: 9 colleges
    - High school coursework: 6 colleges
    - Credit-by-Exam: 9 colleges
    - Local method: 10 colleges
- Alternative methods for dual enrollment
  - In total, 18 out of 28 colleges are using at least one alternative method.
    - Tests and assessments: 9 colleges
    - High school coursework: 7 colleges
    - Credit-by-Exam: 9 colleges



# **Next Steps**

- Conclusion of the alternative placement methods cohort.
- Launch of dual enrollment cohort, which will include modules on alternative methods and best practices for partnerships between districts and colleges.
- Continued monitoring of student performance.



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			The Florida Sen	nate		
1/17/23		APF	<b>APPEARANCE RECORD</b>		SB 366 Implementation	
Posts	Meeting Date secondary Educatio		Deliver both copies of this ate professional staff conducti	s form to	Bill Number or Topic	
	Committee				Amendment Barcode (if applicable)	
Name	Carrie Henderson			Phone2	245-5037	
Address	, 352 W. Gaines St.	•		Email COry.	dowd@fldoe.org	
	Street Tallahassee	FL	32399			
	City	State	Zip			
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# State University System Research

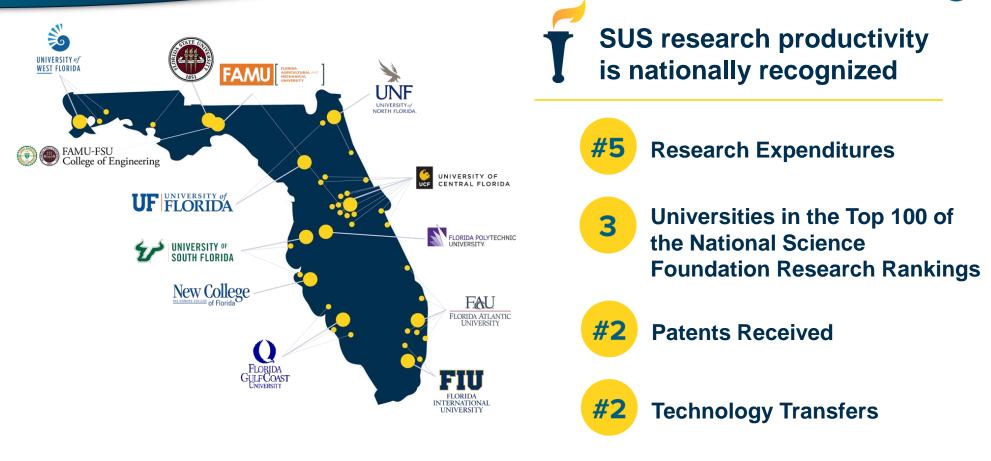
Ms. Emily Sikes

Assistant Vice Chancellor for Strategic Initiatives & Economic Development Board of Governors

January 18, 2023

# National Recognition



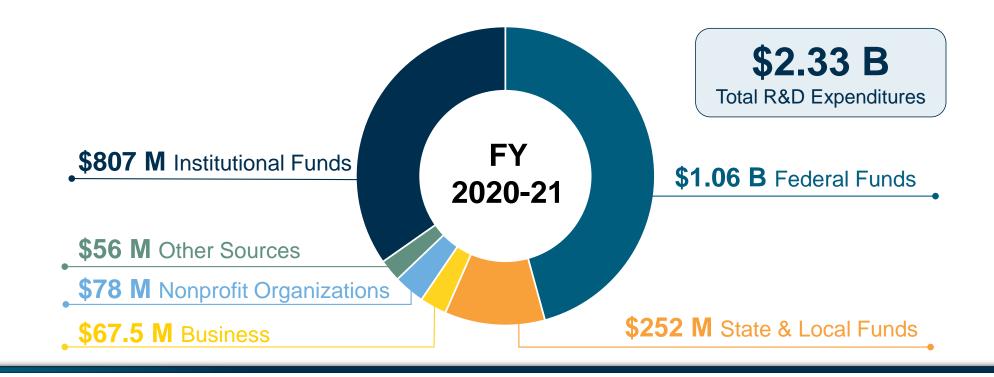


# Research Expenditures



3

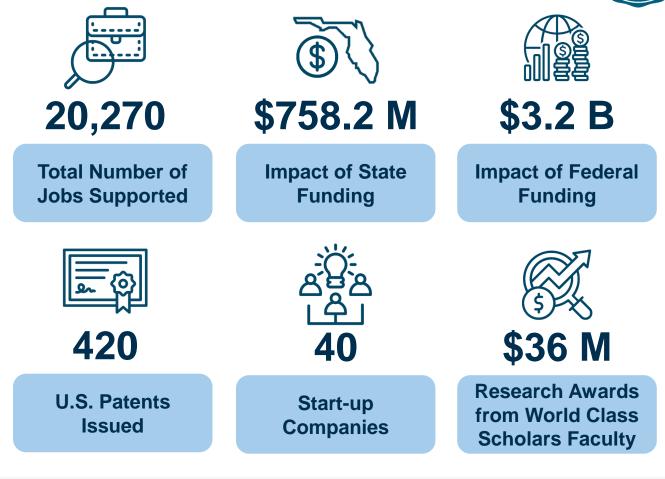
Most research expenditures come from federal & institutional sources



## Return on Investment



The Board of Governors monitors several metrics to measure the ROI of SUS research



# Institution Examples



## Universities solve real-world problems to address Florida's needs



## **Public Health**

Patented a synthetic antibiotic to address growing number of infections that have become antibiotic resistant



UNIVERSITY OF CENTRAL FLORIDA

## Technology

Developed a safer, more efficient electric vehicle battery using saltwater, preventing post-hurricane electric vehicle fires



## **Elder Affairs**

Created a home health monitoring device to increase independence & quality of life for senior adults

# Accountability in Research



Multiple requirements govern university research



**National** Federal agency requirements for grant funding



**State Statute** Foreign influence & divisions of sponsored research



Accrediting Bodies Research requirements (labs & animal research)



**Board Regulations** Regulations 10.002 Sponsored Research & 9.012 Foreign Influence

# Foreign Influence Legislation Compliance

# HUS BOIL OF GOVERNME

## Board of Governors Regulation 9.012, Foreign Influence



- Research Integrity Office (RIO)
- Screening for research positions
- Travel approval & monitoring
- Reporting by July 31<sup>st</sup>

University	RIO	Screening	Travel Approval, Monitoring	Reporting
FAMU	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
FAU	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
FGCU	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
FIU	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
FL POLY	$\checkmark$	N/A	N/A	N/A
FSU	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
NCF	$\checkmark$	N/A	N/A	N/A
UCF	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
UF	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
UNF	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
USF	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
UWF	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$



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Satisfying State of Florida Requirements in Foreign Influence

**David P. Norton, PhD** Vice President, UF Research Cassandra C. Farley, MBA Director, UF Research Security, Integrity & Compliance



## State of Florida Requirements Related to Foreign Influence

Section & Title	Requirements
288.860International Cultural Agreements	Limits certain cultural agreements with countries of concern when those countries control the curriculum or the program poses safety/security risks.
1010.25Foreign Gift Reporting	SUS institutions must report any contract, gift, grant, endowment, award, or donation of money or property of any kind received directly or indirectly from a foreign source with a value of \$50,000 or more during the fiscal year.
1010.36Foreign travel, research institutions	SUS institutions must establish an international travel program to review and approve all international travel, as well as report annually all travel to countries of concern.
1010.35Screening foreign researchers	SUS institutions must designate a research integrity office to review and approve all employment applications for research and research support positions.

# Satisfying State of Florida Requirements in Foreign Influence

Program Elements from the SUS Institutions Aimed at Research Position Applicant and International Travel Screening

## **Highlighted Program Elements from SUS Institutions**

### **University of Central Florida**

- Created Office of International Collaboration and Export Control as part of comprehensive compliance and ethics program
- Launched Foreign Influence Screening Process in compliance with Florida Statute.
- Developed website, online and in-person trainings outlining the requirements
- Requires registration of all international travel by UCF faculty and staff.
- Strengthened processes for reviewing and approving international travel, including preapproval of all employmentrelated international travel.

### Florida International University

- International travel requires screening and Compliance/Export Control preapproval.
- All international travelers must complete a Foreign Travel questionnaire which includes specific disclosure requirements regarding travel expenses, and certification that the traveler has read the guidance for international travel
- In the hiring of research-related positions, HR and the Office of Research Integrity secure and screen required documentation
- Visual Compliance is used to screen for restricted persons and retained affiliations with restricted entities.

### Florida Atlantic University

- Conducted town hall meetings on responsibility to protect IP and research, as well as to adhere to pertinent travel restrictions.
- Invites representatives from local FBI field office to conduct seminar for faculty.
- Reviews faculty publications for collaborators from countries of concern,
- Established clear travel policy requirements that all foreign travel must be approved.
- Faculty visiting countries of concern are issued a temporary email, clean laptop and cell phone for communications.

## **Highlighted Program Elements from SUS Institutions**

### **University of South Florida**

- The Office of Research Integrity and Compliance (RIC) has dedicated team comprising a Senior Foreign Influence Analyst and a Foreign Influence analyst, tasked with screening research-related employment applications and foreign travel-related requests
- Applicant review includes background check, review of passport, DS-160 (Visa application), and resume/CV.
- Employment-related foreign travel is screened by RIC with review including countries being traveled to and purpose of travel. An attestation from the individual traveler to adhere to university regulations is required.
- Entities, institutions, and/or individuals being visited are screened through the Visual Compliance Restricted Party Database for visits to countries of concern, soon to be extended to all foreign travel.

### Florida State University

- Applicants for tenure-track faculty, researchers, graduate assistants, postdoctoral scholars, and lab technicians are subject to screening of foreign researchers.
- Visiting scholars and researchers, paid or unpaid, are also screened.
- The screening reviewing relevant documents and performing verification efforts for previous employment, education, and publications, as well as checking any affiliations against Visual Compliance screening tool and Entity Lists.
- Travel marked as "international" requires that the traveler complete review of FSU's training documents for international travelers and sign an attestation form.
- The training and attestation documents are based on the elements of the statute, but also provide risk management tips specific to international travel.

### Florida A&M University

- Research and research support positions that are subject to screening of foreign applicants are identified prior to search processes.
- College representatives and hiring managers notify the Office of Research Integrity of a potential hire who will engage in research or research-related activities.
- The hiring authority works with the Office of Research Integrity to provide applicants with an initial questionnaire that requests a curriculum vitae, information regarding demographics, citizenship, and affiliations with foreign countries of concern.
- The Office of Research Integrity reviews and requests any additional required information.
- Modifications were made to Office of Research Integrity processes so as to provide screening and pre-approval for foreign travel and foreign activities
- The request for foreign travel includes the Office of Research Integrity in the approval process

## **Highlighted Program Elements from SUS Institutions**

### **University of West Florida**

- Created Research Integrity Coordinator (RIC) position within new Research Integrity Office (RIO) under the Office of Research Administration and Engagement (RAE).
- Created a new automated processes to accept and review applications for research positions per requirements of the statutes.
- Developed new informational resources focused on educating the campus research community about the risks of foreign influence on university research and the processes available to protect that research (e.g., export control review).

### **University of North Florida**

- Research and research-support positions that are subject to review requirements are flagged as they are created, approved, and advertised.
- Applicants are prompted with the Foreign Influence Review questions and, as needed, are asked to upload their passport pages and DS-160 applications.
- When a finalist pool certified for interviews, the research integrity office is prompted to complete the review before the interviews can be scheduled.
- A separate process created for student researchers
- Existing Concur travel authorization system set up to monitor international travel
- Only minor adjustments needed to comply with the requirements for foreign influence review of travel.

### New College, Florida Polytechnic University, and Florida Gulf Coast University

- Currently have annual research budgets of less than \$10M and therefore do not reach the threshold for required compliance with the researcher screening or international travel.
- New College utilizes a Dynamic Form for submission, review, and approval for compliance with the COI requirements.
- Florida Polytechnic University is taking preemptive measures to develop proper procedures, with all foreign applicants for research positions receiving a background check and review of the CV to identify any connections to foreign governments of concern. The Research Integrity Officer (RIO) has been added to travel authorization process.

# Satisfying State of Florida Requirements in Foreign Influence

University of Florida Program



## **Screening Foreign Researchers**

## Three screening groups:

- New hires, including direct hires
- International visitors
- Graduate students

# For each process, UF collects required information and uses a risk-based approach to make determinations

#### **General information**

### **Current & Pending Funding**

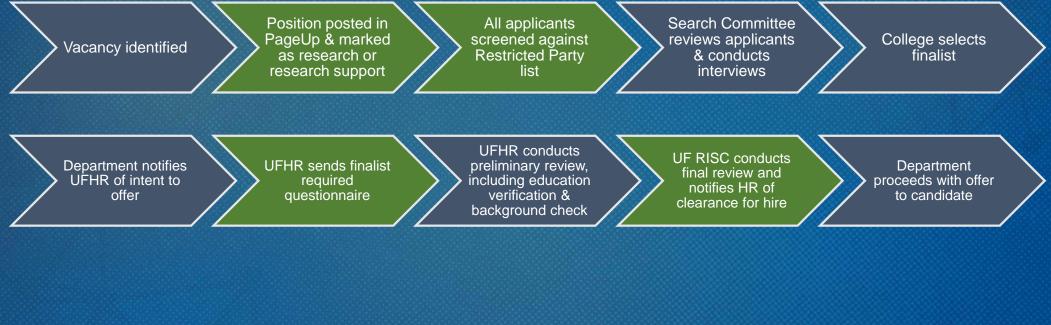
- CV or resume including
- All education and employment since high school
- All professionally published materials
- DS-160
- Copy of passport, if applicable

 May include information CV or upload a document that is substantially similar NIH Current & Pending form or NSF Other Support Form

## Professional International Activities and/or Affiliations

- For all international professional affiliations and/or activities that will continue if employed by UF, must provide:
- Title
- Entity name
- · Country where entity is located
- Annual remuneration
- Annual time commitment

## **New Hire Screening Process**





## **Screening Foreign Researchers**

### Research and research support applicant pool

Туре	Total Applicants	Final Applicants	Routed to RISC
New Hires	20,030	1,430	330
Visitors	706	706	678

After initial HR review, UF RISC conducts a risk-based review of all final applicants who meet the requirements set forth in 1010.35 for screening

### Risk-based screening review outcome and adjudication

Туре	Approved	Approved with Mitigation	Denied	Canceled/ Declined	Pending
New Hires	324	0	0	0	5
Visitors	621	40	7	6	4



## **Foreign Travel**

UF RISC reviews and approves all international travel in support of UF business.

Travelers must submit the international travel certification with all international travel requests.

Launch of new travel system in 2023 will provide additional data and reporting capabilities.

International Travel Attestation	×
By submitting this travel authorization request, I certify that the travel authorization is true and correct and is an accurate representation of my intended travel plans as they relate to UF business. Further, I confirm that I have reviewed and acknowledge the following UF policies/directives:	•
UF Policy on Export Control	
UF Directives on International Travel	
Taking UF Assets Abroad	1
UF Policy on Intellectual Property	
I certify that I will abide by all UF policies/directives while traveling on UF business. Violation of UF policies or directive while on travel may result in disciplinary action.	es
Cancel Accept & Contin	ue



The Florida Senate	
1/1%/2023 APPEARANCE REC	ORD
Meeting Date Deliver both copies of this form to Post Secondary Ed. Senate professional staff conducting the	Bill Number or Topic
Committee	Amendment Barcode (if applicable)
Name Cassandra Farley Pl	none 571.484.9513
Address 241 Grinter Hall En	mail Clarley euflieder
City Jaivesville FL 32661 State Zip	
Speaking: For Against Information <b>OR</b> Waive	Speaking: In Support Against
PLEASE CHECK ONE OF THE FOL	LOWING:
I am appearing without I am a registered lobbyist, compensation or sponsorship.	I am not a lobbyist, but received something of value for my appearance (travel, meals, lodging, etc.), sponsored by:

While it is a tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this hearing. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard. If you have questions about registering to lobby please see Fla. Stat. §11.045 and Joint Rule 1. <u>2020-2022. JointRules.pdf (flsenate.gov)</u>

This form is part of the public record for this meeting.

	The Florida Senate				
1-18-23	<b>APPEARANCE RECORI</b>	D N/A			
Meeting Date Schath Postschondung Committee	Deliver both copies of this form to Senate professional staff conducting the meeting	Bill Number or Topic Amendment Barcode (if applicable)			
Name Emily Sikes	Phone	850 556 0314			
Address 200 West College	Avenue Email	emily. sikes@flbog.edv			
Tallahassee FL City State	32301 Zip				
Speaking: Sor Against	Information <b>OR</b> Waive Speaki	ing: 🗌 In Support 📄 Against			
PLEASE CHECK ONE OF THE FOLLOWING:					
I am appearing without compensation or sponsorship.	I am a registered lobbyist, representing:	I am not a lobbyist, but received something of value for my appearance (travel, meals, lodging, etc.), sponsored by:			

While it is a tradition to encourage public testimony, time may not permit all persons wishing to speak to be heard at this hearing. Those who do speak may be asked to limit their remarks so that as many persons as possible can be heard. If you have questions about registering to lobby please see Fla. Stat. §11.045 and Joint Rule 1. <u>2020-2022 Joint Rules.pdf (flsenate.gov)</u>

This form is part of the public record for this meeting.

1/10/22	Florida Senate RANCE RECORD
Meeting Date Deliver b Post-Secondary Edu Senate profession	both copies of this form to Bill Number or Topic bonal staff conducting the meeting
Name David Norton	Amendment Barcode (if applicable) Phone 352 871 0097
Address 2449 NW 93 ~ St Street	Email dpronton Qufl.edu
Galnesville FL 3 City State	2606 Zip
Speaking: For Against Information	<b>OR</b> Waive Speaking: In Support Against
PLEASE CHECK	ONE OF THE FOLLOWING:
I am appearing without I am a regis compensation or sponsorship.	stered lobbyist, ang: I am not a lobbyist, but received something of value for my appearance (travel, meals, lodging, etc.), sponsored by:

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### THE FLORIDA SENATE

Tallahassee, Florida 32399-1100



**COMMITTEES:** Appropriations Committee on Education, Vice Chair Commerce and Tourism Education Postsecondary Education Pre-K -12 Finance and Tax Fiscal Policy Regulated Industries Rules

SENATOR SHEVRIN D. "SHEV" JONES District 34

January 17, 2023

The Hon. Erin Grall Chair, Committee on Education Postsecondary 306 Senate Building 404 South Monroe Street Tallahassee, FL 32399-1100

Dear Chair Grall,

I respectfully request an excused absence from the Senate Committee on Education, Postsecondary meeting scheduled for today, Wednesday, January 18, 2023, due to a previously scheduled travel obligation.

Thank you in advance for your consideration of this request. If I may be of assistance to answer any questions, comments, or concerns, please do not hesitate to contact me or my office.

Sincerely,

Shevrin D. "Shev" Jones Florida State Senator – Senate District 34

REPLY TO: Capitol Office, 218 Senate Building, 404 South Monroe Street, Tallahassee, Florida 32399-1100 · (850) 487-5034 District Office, 606 NW 183rd Street, Miami Gardens, FL 33169 · (305) 493-6002

Website: www.flsenate.gov/Senators/S34

KATHLEEN PASSIDOM President of the Senate DENNIS BAXLEY President Pro Tempore

## **CourtSmart Tag Report**

Room: SB 110 Case No.: Type: Judge: Caption: Senate Education Postsecondary Committee Started: 1/18/2023 10:00:16 AM Ends: 1/18/2023 11:22:33 AM Length: 01:22:18 10:00:34 AM Meeting called to order by Chair Grall 10:00:46 AM CAA calls roll 10:01:04 AM Quorum present 10:01:16 AM Tab 1 - Update on the implementation of alternative methods by Secretary Henderson, Department of Education 10:02:17 AM Secretary Henderson gives presentation 10:07:33 AM Secretary Henderson discusses mathematics pathways 10:15:54 AM Secretary Henderson discusses college placement 10:17:27 AM Secretary Henderson discusses testing Secretary Henderson discuss implementation 10:25:51 AM 10:27:50 AM Question by Senator Stewart 10:28:13 AM Response by Secretary Henderson Question by Senator Harrell 10:29:42 AM 10:30:50 AM Response by Secretary Henderson 10:32:28 AM Follow up by Senator Harrell 10:33:41 AM Follow up by Secretary Henderson 10:34:02 AM Follow up by Senator Harrell 10:34:57 AM Follow up by Secretary Henderson Question by Senator Simon 10:35:21 AM Response by Secretary Henderson 10:35:58 AM No additional questions 10:36:29 AM Comments on the background of the CS/HB 7017 (2021) and how it relates to the presentation 10:37:31 AM 10:38:59 AM Senator Grall continues comments Tab 2 - Presentation on state university research and associated requirements 10:39:46 AM 10:40:24 AM Emily Sikes, Asst. Vice Chancellor for Strategic Initiatives & Economic Dev. - Board of Governors 10:45:44 AM Speaker Sikes discusses Accountability in Research 10:47:50 AM Question by Senator Book 10:49:17 AM Response by Speaker Sikes 10:49:42 AM Follow up by Senator Book Follow up by Speaker Sikes 10:50:21 AM 10:51:05 AM Question by Chair Grall 10:51:21 AM Response by Speaker Sikes Follow up by Chair Grall 10:51:44 AM Response by Speaker Sikes 10:51:53 AM Question by Chair Grall 10:52:41 AM 10:53:42 AM Response by Speaker Sikes 10:54:41 AM Speaker David Norton, Vice President, UF Research Speaker Casandra Farley, Director, UF Research Security, Integrity & Compliance 10:59:32 AM 11:07:01 AM Question by Senator Book 11:08:15 AM Response by Speaker Farley Question by Senator Book 11:08:50 AM 11:09:35 AM Response by Speaker Norton Follow up by Senator Book 11:11:02 AM 11:11:34 AM Response by Speaker Norton 11:12:39 AM Follow up by Senator Book 11:12:57 AM Response by Speaker Farley 11:13:29 AM Follow up by Senator Book 11:13:37 AM Comment by Chair Grall 11:13:59 AM Question by Senator Book 11:14:16 AM Response by Chair Grall 11:14:24 AM Question by Senator Collins 11:14:44 AM Response by Speaker Farley

- 11:16:14 AM
- Follow up by Senator Collins Response by Speaker Farley 11:16:25 AM
- Follow up by Senator Collins 11:16:44 AM
- 11:17:07 AM
- Response by Speaker Farley No additional questions by committee members 11:19:09 AM
- 11:19:20 AM Question by Chair Grall
- Response by Speaker Norton Comment by Chair Grall 11:20:32 AM
- 11:21:12 AM
- 11:22:11 AM Meeting Adjourned