

Assessment  
and other  
topics!



October 2023

**FLORIDA**  
**SOUTHWESTERN**  
STATE COLLEGE  
SCHOOL OF PURE AND APPLIED SCIENCES

# SPAS Meeting Agenda

Poor Spellers of  
the World -  
UNTIE!

## Welcome Back!



- School Updates
- Policy Updates
- Academic Committee Updates
- Schedule – Oct & Nov Events Key Dates



# SPAS Updates – Fall!

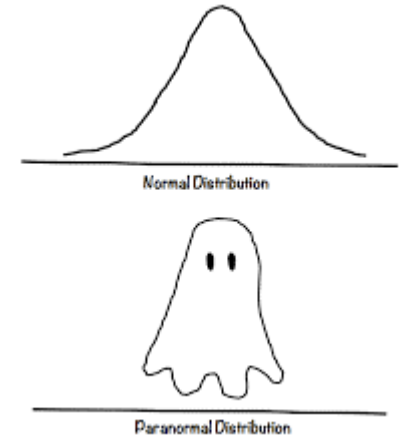
- Mini – B is now underway
- Leave Requests and **Leave Reports. . .**
- **End of Semester Activities**
  - Will sent specific details in lieu of November Zoom meeting
  - **So don't be like the students you often mention – read the info to the end!**
    - Final exam week
    - Final Grades
    - Date Last Attended





# SPAS Updates – Spring!

- Simple Syllabus
  - When is a good date for submitting for Spring??
- Attendance Verification
  - Automatic Process project has been approved :0
  - Training coming in November
- Textbooks
  - Updated system in now one course, one book – no more campuses in the system
  - Work with Andy to be sure everything is entered correctly
- Spring Schedule
  - Just went through optimizer so initial classrooms have been added
  - Goes live for priority registration October 24
  - I am making updates while Gus is out. . . should have everything updated since his email, but know there are more tweaks to make





# SPAS Updates – Assessment

## SPAS Course Refresh

- **For Course Maintenance!**
- To help simplify routine course maintenance needs – too many courses to do all of these items every year
  - Master Syllabus
  - Textbooks
  - Master Shells
  - Assessments Requests
  - Concurrent course requirements
- Review courses on a rotating 5-year cycle – so 20% of a department's courses annually

## Course and Program Assessment

- **For Accreditation!**
- Programs, not schools or departments, are generally accredited
- We do complaint assist reports for three programs:
  - **AA in General Studies**
  - **AS in Science and Engineering Technology**
  - **Certificate in Scientific Workplace Preparation**
- Through Team AASPIRE
- Course assessments feed program assessment – 3 math/3 science per year minimum from these programs



# SPAS Updates – Assessment

## Compliance Assist

**Need to wrap up 2022-2023!**

- MAC 1105
- MAC 1114
- MAC 1140
- MAT 0057
- MAT 1033
- ISC 1001C
- BSC 1085C
- BSC 1086C
- PHY 2049
- EVR 1001C
- Chemistry
- MCB 2010C
- BSC1010 BSC 1011

## Program Assessment

- Mission Statements
  - AA in General Studies
  - AS in Science and Engineering Technology
  - Certificate in Scientific Workplace Preparation
- SOS Results
- DWF Comments



## SPAS Updates – AA Degree Program

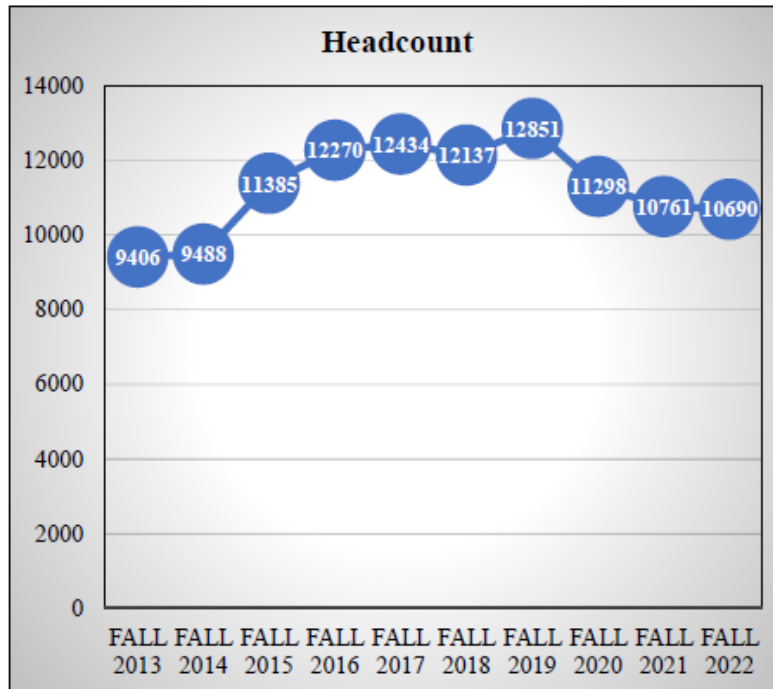
The mission of the School of Pure and Applied Sciences and the School of Arts, Humanities, and Social Sciences, through the provision of the Associate in Arts Degree and the General Education Program embedded within it, is to prepare students to effectively demonstrate general education competencies and elective course learning outcomes for the purpose of enriching their program-related knowledge, expanding educational opportunities, and providing transferable and lifelong workplace skills.





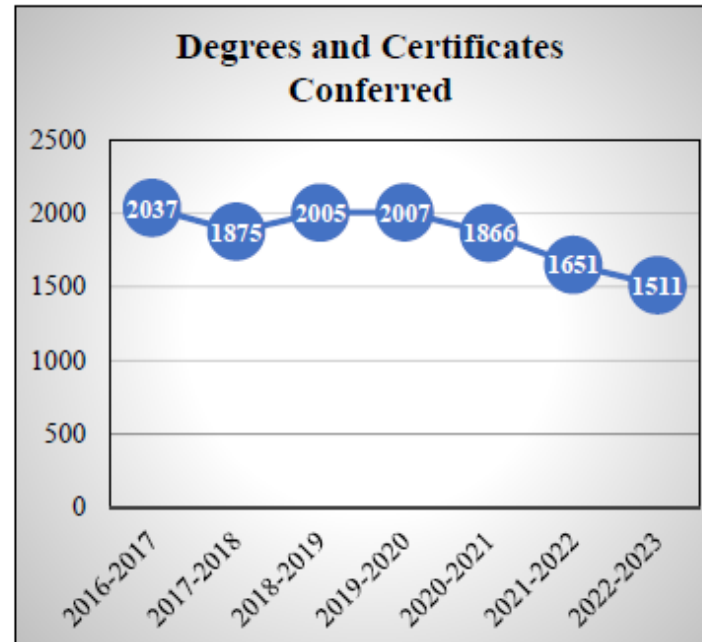
# SPAS Updates – AA Degree Program

## Enrollment in Fall Term



These numbers come from Institutional Research's frozen files, which are frozen around late October each Fall term. The frozen date is the day after Term B's last withdraw date, which allows IR to capture accurately the term's enrollment.

## Completion



The Degrees and Certificates Conferred graph shows how many students received their degree or certificate in the program in each academic year.

## AY 2022-2023 Core Course Success for GENR Majors

Core Course	Fall 2022	Spring 2023	Average
AMH 2020	74.3%	83.4%	79%
ARH 1000	82.6%	86.5%	85%
AST 2002C	65.0%	81.0%	73%
BSC 1005	72.4%	73.7%	73%
BSC 1005L	78.5%	71.9%	75%
BSC 1010	79.7%	71.4%	76%
BSC 1010L	84.2%	81.8%	83%
BSC 1085C	61.6%	61.1%	61%
BSC 1093C	N/A	N/A	N/A
CHM 1020C	N/A	100.0%	100%
CHM 2045	75.8%	76.2%	76%
CHM 2045L	72.4%	84.7%	79%
ECO 2013	76.0%	77.2%	77%
ENC 1101	70.1%	60.6%	65%
ENC 1102	67.6%	85.1%	76%
ESC 1000C	56.5%	73.2%	65%
EVR 1001C	84.4%	83.7%	84%
HUM 2020	83.2%	84.2%	84%
LIT 2000	83.5%	81.8%	83%
MAC 1105	67.1%	71.2%	69%
MAC 2311	65.6%	77.4%	72%
MGF 1106	56.9%	60.5%	59%
MGF 1107	49.2%	65.9%	58%
MUL 1010	77.8%	84.4%	81%
PHI 2010	74.3%	85.7%	80%
PHY 1020C	77.8%	73.8%	76%
PHY 2048	74.2%	71.4%	73%
PHY 2048L	74.2%	95.2%	85%
PHY 2053	100.0%	41.7%	71%
PHY 2053L	N/A	58.3%	58%
POS 2041	72.4%	79.9%	76%
PSY 2012	74.3%	81.1%	78%
SPC 1017	73.9%	84.2%	79%
SPC 2608	76.6%	80.0%	78%
STA 2023	61.8%	65.2%	64%
SYG 1000	84.4%	87.3%	86%
THE 1000	91.2%	76.9%	84%
<b>Program Avg</b>	<b>74.1%</b>	<b>76.6%</b>	<b>75%</b>





# SPAS Updates – AA Degree Program

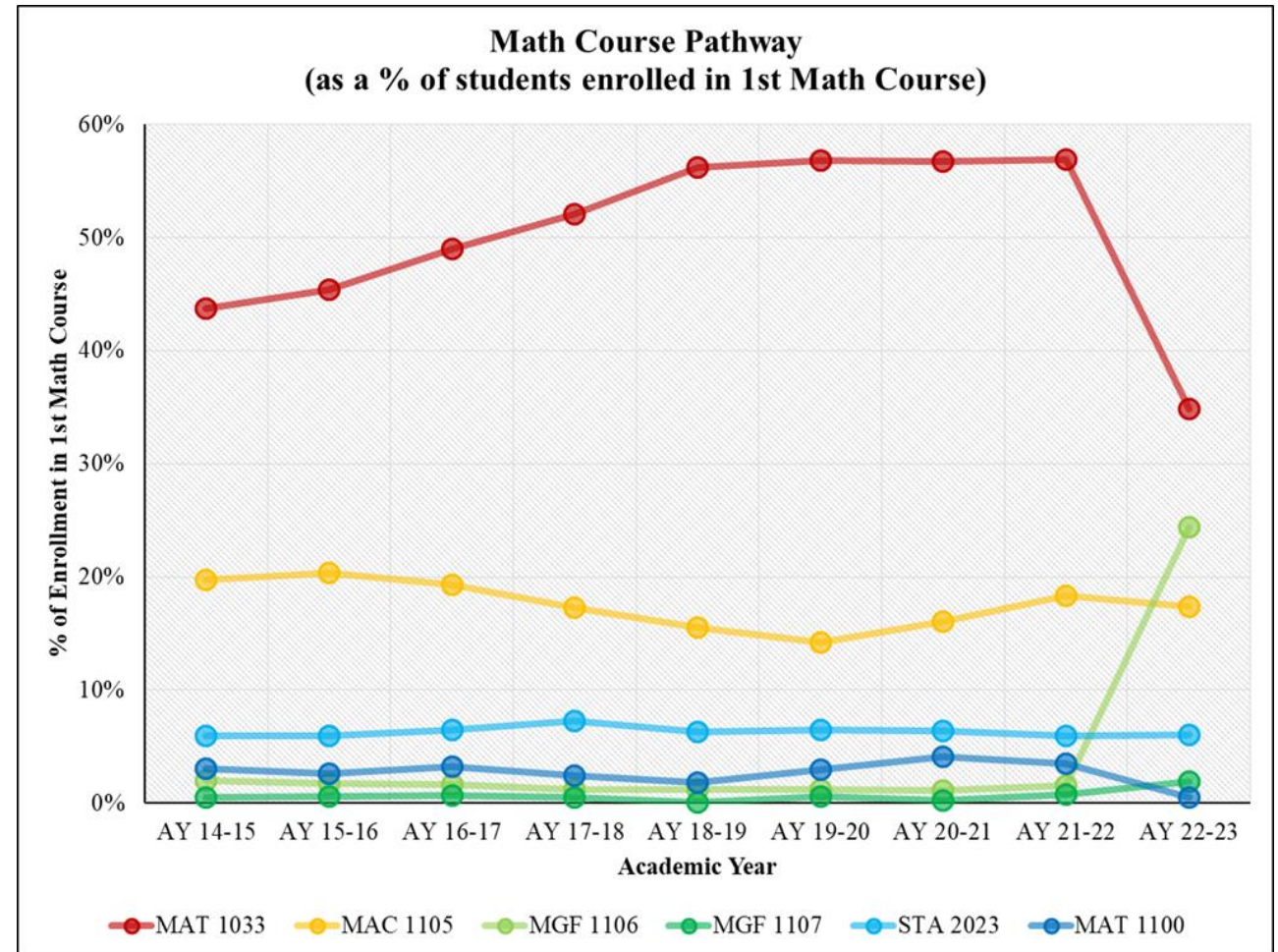
Started with 22 Pathways

Adding more:

- Marine Science
- Marine Biology
- Exercise Science
- Computer Science

Curriculum Actions

- MAT 0018
- **MGF 1130** /1131



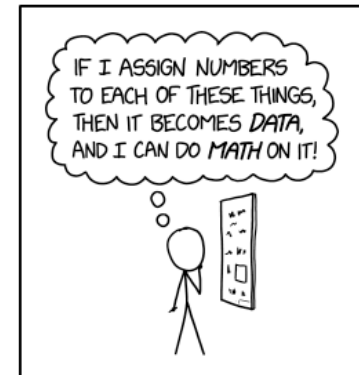


# SPAS Updates – Assessment CCC Curriculum Recommendations

- 01.0 Demonstrate appropriate written and oral communication skills.
- 02.0 Demonstrate appropriate mathematical skills to solve basic problems in the sciences
- 03.0 Demonstrate appropriate interpersonal skills, decision-making strategies, and awareness of self-worth, ethics and values.
- 04.0 Demonstrate computer competence.
- 05.0 Demonstrate basic knowledge of scientific concepts.
- 06.0 **Demonstrate basic knowledge of chemical concepts.**

## ASSIGNING NUMBERS

[<|](#) [< PREV](#) [RANDOM](#) [NEXT >](#) [>|](#)

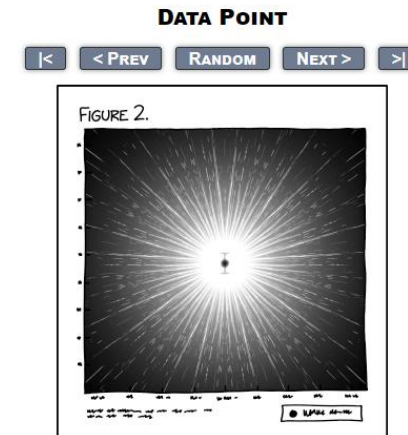


THE SAME BASIC IDEA UNDERLIES  
GÖDEL'S INCOMPLETENESS THEOREM  
AND ALL BAD DATA SCIENCE.

[<|](#) [< PREV](#) [RANDOM](#) [NEXT >](#) [>|](#)



# SPAS Updates – Assessment AS Science & Eng Tech



SCIENCE POWER MOVE: WHEN ONE OF  
YOUR DATA POINTS IS REALLY COOL,  
DEVOTE A WHOLE FIGURE TO IT.

- 01.0 Demonstrate appropriate communication skills.
- 02.0 Demonstrate appropriate mathematical skills to solve basic problems in the sciences.
- 03.0 Demonstrate appropriate interpersonal skills, decision-making strategies, and awareness of self-worth, ethics and values.
- 04.0 Demonstrate computer competence.
- 05.0 Demonstrate basic knowledge of scientific concepts.
- 06.0 **Demonstrate basic knowledge of chemical concepts.**
- 07.0 **Demonstrate knowledge of chemical kinetics and thermodynamics.**
- 08.0 Demonstrate skills in the safe handling of chemical materials and equipment.
- 09.0 Exercise safety in the laboratory and adhere to safety, health and environmental regulations.
- 10.0 **Demonstrate conceptual and laboratory knowledge in the area of organic chemistry and/or analytical chemistry and/or physics and/or biology and/or engineering and/or biotechnology and/or chemical instrumentation.--Students will be competent in two or more of the following areas of specialization:**
  - Specialty I: Organic Chemistry, Specialty II: Physics, Specialty III: Biology, Specialty IV: Engineering
  - Specialty V: Biotechnology, Specialty VI: Chemical Instrumentation



# SPAS Updates – Mathematics

The mission of the School of Pure and Applied Sciences is to prepare students to develop strong intellectual and practical skills in math and science, to demonstrate effectively the ability to apply knowledge and skills in real-world settings in order to deal with complex, diverse, **challenging problems and issues**. Our purpose is to enrich our students' program-related knowledge, expand their educational opportunities, help them acquire transferable and lifelong learning and workplace skills, and inspire them to pursue rewarding careers and be actively involved in our democracy as well-informed citizens. To support this mission, the School is committed to providing professional development opportunities for its faculty, rigorous curriculum reviews, and quality teaching and learning opportunities for our students.



# SPAS Updates – Natural Sciences

By creating a positive educational environment, the Science faculty at FSW helps students excel in interpreting the natural world, improving critical thinking and problem-solving skills, and developing essential content knowledge in order to better prepare them for a range of careers and further educational opportunities. Through continuous assessment **and improvements** of our courses, our faculty is devoted to maintaining a quality curriculum which reflects a high standard of learning.

This mission statement was adopted at the October 2014 Science Department meeting.



# SPAS Updates – AS Program Mission

By creating a positive educational environment, the **Science** faculty at FSW helps students excel in interpreting the natural world, improving critical thinking and problem-solving skills, and developing essential content knowledge in order to better prepare them for a range of careers and further educational opportunities. Through continuous assessment and **improvements of our courses**, our faculty is devoted to maintaining a quality curriculum that reflects a high standard of learning.

This mission statement was adopted at the October 2014 Science Department meeting.



# SPAS Updates – AS Program Mission

Our mission for the Associate in Science degree in Science and Engineering Technology is to cultivate a community of learners who not only acquire fundamental scientific knowledge and mathematical problem-solving skills but also develop effective communication abilities and ethical awareness. We are dedicated to preparing our students to excel in the sciences and engineering by equipping them with the technical knowledge and practical skills needed to solve real-world problems, all while fostering a deep commitment to ethical conduct, self-awareness, and the ability to engage meaningfully with others.





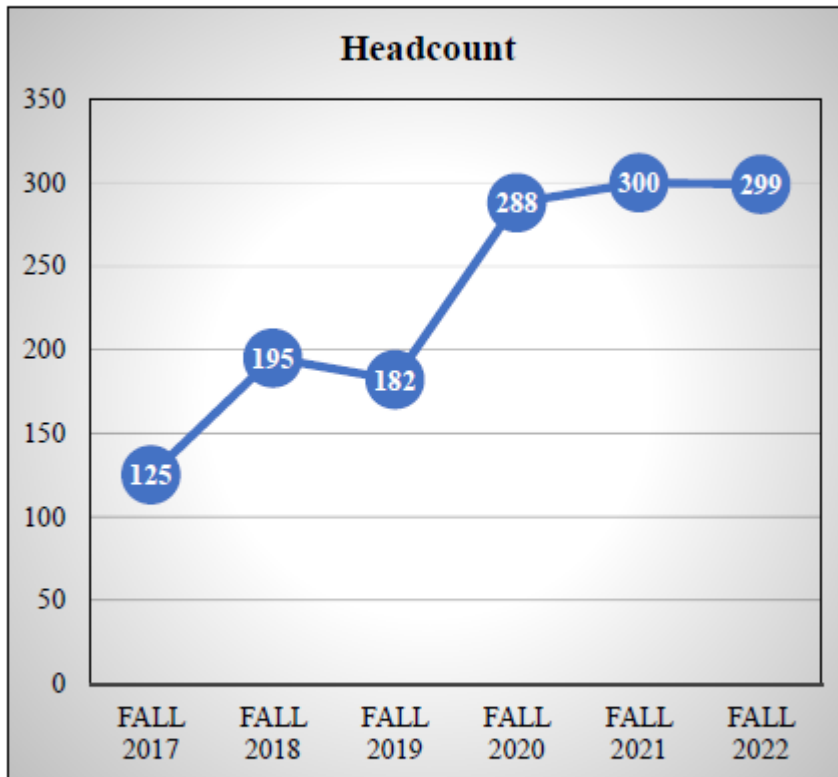
## SPAS Updates – CCC Mission

The Scientific Workplace Preparation Certificate prepares students for entry-level employment in a science or engineering workplace setting. It improves the student's communication, information technology, and math skills while developing basic scientific laboratory skills. Students completing this certificate can continue their studies by enrolling in the Science and Engineering Technology AS Degree.

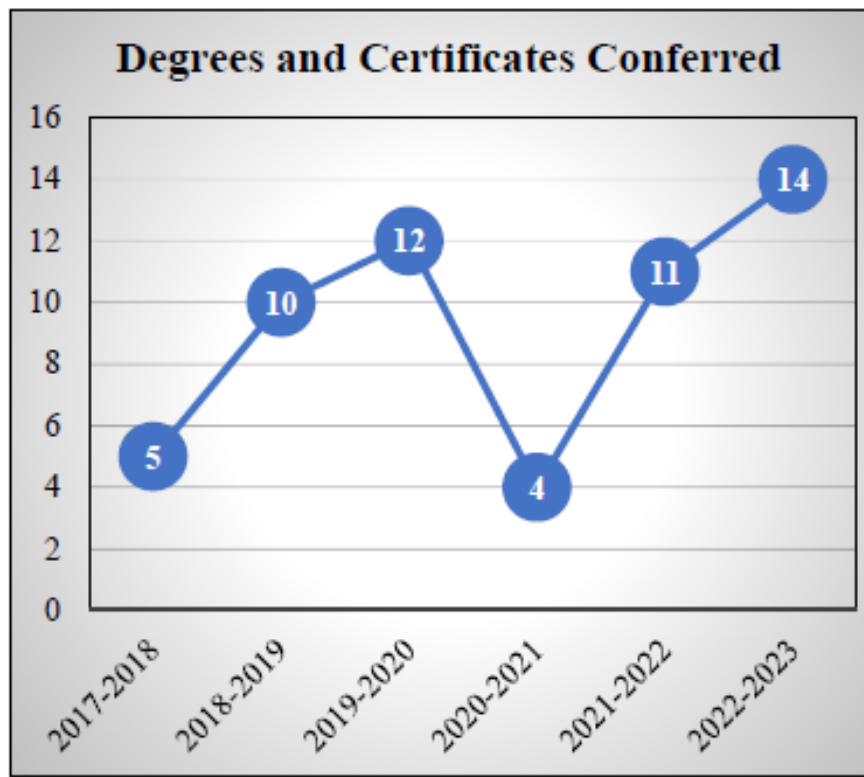


# SPAS Updates – AS Assessment Report

## Enrollment in Fall Term      Completion



These numbers come from Institutional Research's frozen files, which are frozen around late October each Fall term. The frozen date is the day after Term B's last withdraw date, which allows IR to capture accurately the term's enrollment.



The **Degrees and Certificates Conferred** graph shows how many students received their degree or certificate in the program in each academic year.

**Currently – no  
active Board of  
Advisors!**

Have re-established  
a Board, and have  
our first meeting  
scheduled for  
November 1st



# SPAS Updates – Assessment CCC Curriculum Recommendations

## GOAL: Remove Barriers to Completion

- Delete the Computer Class Requirement
  - Replace with additional math/science class
- Add options for second communication class
- Add additional chemistry options

COMMON PROGRAM REQUIREMENTS				
15-16	3	Communication	ENC	1101
	3	Communication	ENC	1102
		OR	ENC	2110
		OR	SPC	1017
		OR	SPC	2608
	3	Humanities		Any Core Gen Ed
	3 or 4	Mathamatics		Any Core Gen Ed or Higher
	3	Social Sciences		Any Core Gen Ed

CSG	1000	DELETE
-----	------	--------

Advanced Science - Pick 2 - minimum of 7 credit hours					
If not already taken					
7-8	3+1	Biology		BSC	1005/1005L
	3+1	Biology Lab		BSC	1010/1010L
	3+1			BSC	1011/1011L

One Chm	4	Chemistry	ANY	CHM	1020C
with Lab	3+1	Chmistry Lab		CHM	2025/2025L
4	3+1			CHM	2032/2032L
	3+1			CHM	2045/2045L



# SPAS Updates – Assessment AS Curriculum Recommendations

- Add options for second communication class
- Add additional chemistry options
- Add alternatives to CHM 2046/L
- Add second gen ed as other elective options
- Add Biotechnology Courses

GOAL: Remove  
Barriers to  
Completion

Current “tracks”

Biological  
Engineering  
Health Science  
Environmental  
Geotechnology

15-16	3	Communication	ENC	1101
	3	Communication	ENC	1102
		OR	ENC	2110
		OR	SPC	1017
		OR	SPC	2608
	3	Humanities	Any Core Gen Ed	
	3 or 4	Mathamatics	Any Core Gen Ed or Higher	
	3	Social Sciences	Any Core Gen Ed	

One Chm with Lab 4	4	Chemistry	CHM	2032/2032L
	3+1	ANY	CHM	2045/2045L

One other Science Class				
4-5	3+1	Biology	BSC	1005/1005L
	3+1		BSC	1010/1010L
	3+1	Additional Chem	CHM	Any not taken
	4	A&P	BSC	1085C
	3	Physics	PHY	1007C
	3		PHY	1020C
	4+1		PHY	2053/5053L
	4+1		PHY	2048/2048L



# SOS

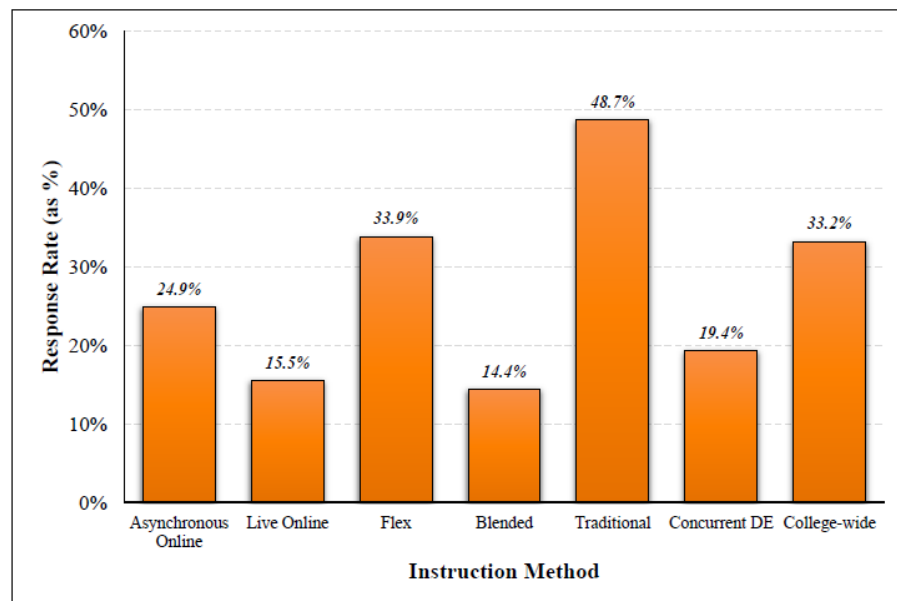


Figure 1. Response rates for SOS evaluation by course modality.

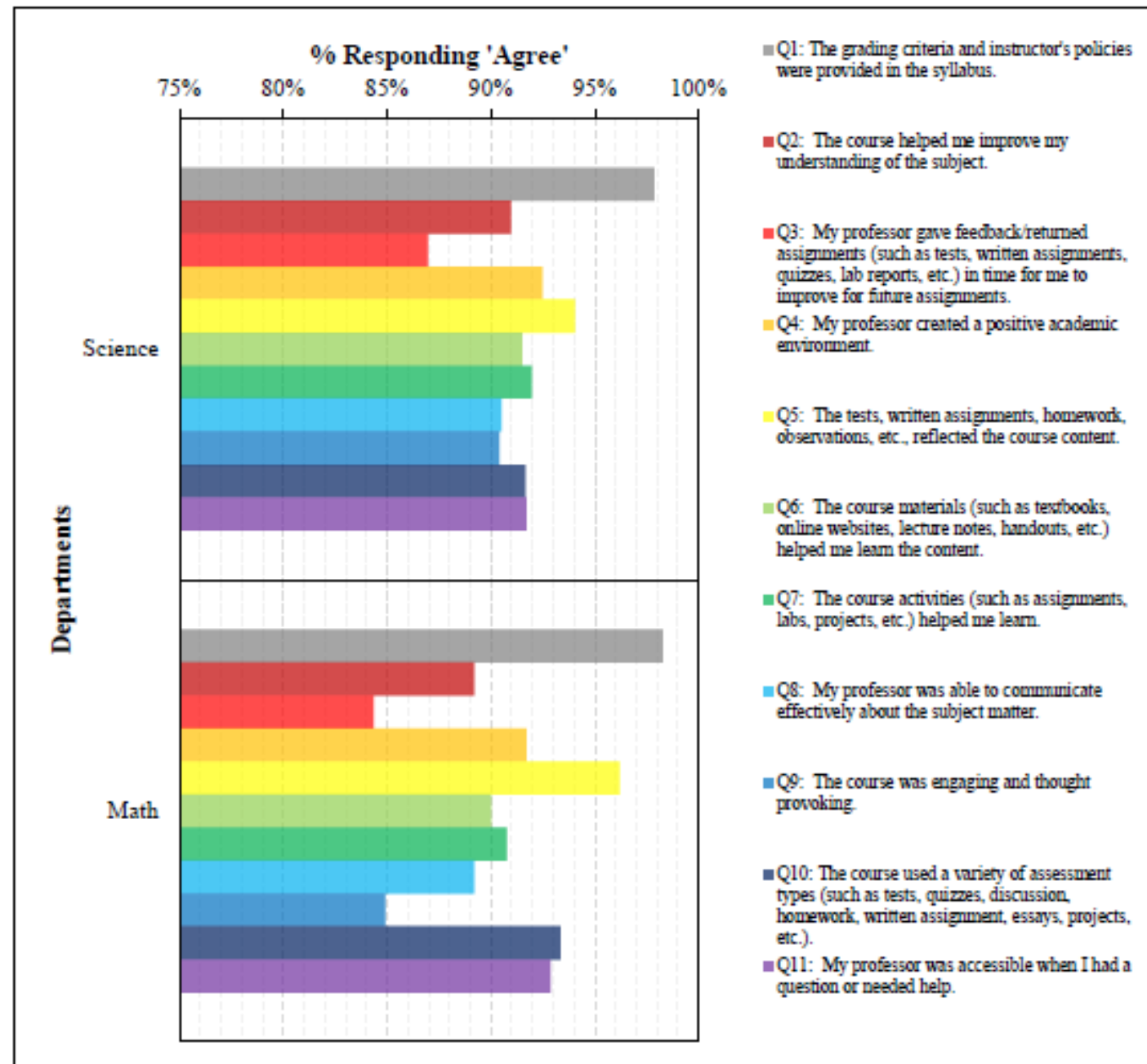


Figure 9. Comparison of SOS 2.0 percentage responding "Agree" by department for the School of Pure and Applied Sciences.

# Policy Updates



## From VP Offices



- Physical Therapy Program

- Charlotte Campus
- From Hodges

- Cohort Model

- Saturday Scholars

- Instructional Modalities

- Flex counts for less than 4% of classes and is decreasing (unknowns for instructors)
- Blended encompasses too many options (unknowns for students)

### Hurricane Prep

- Canvas and Zoom “Boot Camps”

### Supply Requests??

- If you have a need, let me know by Monday!









# Modalities

Ex. Section Number	Campus
101	Lee Campus
201	Collier Campus
301	Charlotte Campus
701	Hendry/Glades Campus
801	Online (no class meetings)
901	Live Online (Zoom)

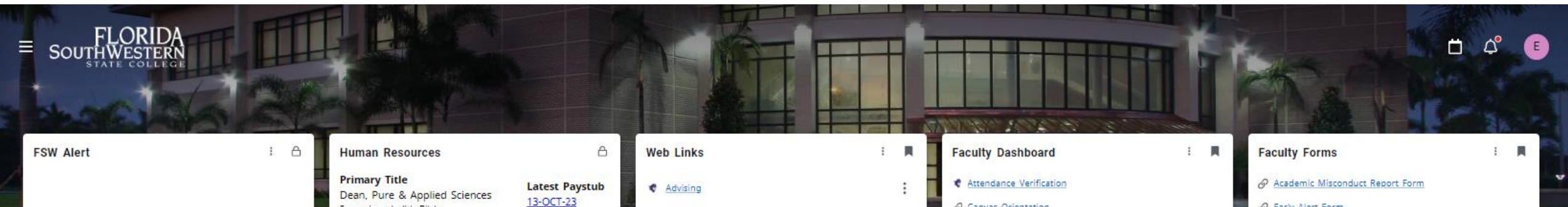

F – Flex  
B – Blended  
K – Linked

*For example, Section 101 is a traditional class meeting on Lee Campus, Section 901 is a Live Online Class meeting in Zoom, Section 30B is a Blended class with a ground component meeting on Charlotte campus, Section 90B is a Blended course meeting online, and Section 70F is a Flex course with the instructor at Hendry Glades, but a class that students can attend in person or via Zoom.*


Instructional Method	Description	Location
<b>FSW Online</b> 	In an <b>FSW Online</b> course all of your instruction and coursework occurs through Canvas, and you are not required to attend any scheduled class meetings. Instructors may offer optional synchronous meetings, but not require them.	Online Only
<b>FSW Live Online</b> 	<b>FSW Live Online</b> courses are a special version of an online course where instruction occurs via Zoom during a regularly scheduled time.	Online Only
<b>FSW Blended Online</b> 	In an <b>FSW Blended Online</b> course you will meet in a virtual Zoom classroom for some class meetings and also be required to complete coursework delivered online through Canvas. You do not have to come to campus.	Online Only
<b>FSW Blended On Campus</b> 	In an <b>FSW Blended On Campus</b> course your professor will mix required on campus class meetings with online coursework. The online portion of the course may be live in a virtual Zoom classroom or all asynchronous in Canvas.	A mix of both
<b>FSW Traditional</b> 	In an <b>FSW Traditional</b> course you will be expected to meet on an FSW campus on a regular weekly schedule.	On Campus Only
<b>FSW Live Flex</b> 	In an <b>FSW Live Flex</b> course, you choose how you attend each class. You can opt to come to campus for every class, join virtually by Zoom every class, or a mix that fits your needs. The class will always meet together at regularly scheduled times, but some classmates will be attending virtually.	A mix of both



# New Portal. . . .



FSW Alert



There are no active alerts.

FSW Quick Links

[Personal Information](#)  
[Manage Multi-factor Authentication \(MFA\)](#)  
[People Directory](#)  
[Department Directory](#)

Alert Submission

MAC 2311 800 13470

Human Resources

Primary Title

Dean, Pure & Applied Sciences

Supervisor: Judith Blisky

Latest Paystub

13-OCT-23

[View Employee Dashboard](#)

Vacation Leave

28 days


Sick Leave

66 days

Personal Leave

4 days

Canvas



Something Went Wrong

Contact your Administrator

Banner Workflows

No pending workflows.

Web Links

[Advising](#)

[Canvas](#)

[Campus Police](#)

ADD NEW LINK

Banner 9

[Banner 9 - Production](#)

[Banner 9 - Pre Production](#)

Campus Maps

[Lee Campus](#)

[Collier Campus](#)

[Charlotte Campus](#)

[Hendry/Glades Curtis Center](#)

Faculty Dashboard

[Attendance Verification](#)

[Canvas Orientation](#)

[Curriculog](#)

[Faculty Services](#)

[Final Grades](#)

[Portfolio](#)

[Summary Class List](#)

Employee Quick Links

[Agile Performance](#)

[Canvas Catalog](#)

[Document Manager](#)

[LinkedIn Learning](#)

[Travel and Expenses](#)

[Online Workflow Forms](#)

Finance Budget Admin

[Budget Queries](#)

[Encumbrance Query](#)

[View Document](#)

[Budget Development](#)

Faculty Forms

[Academic Misconduct Report Form](#)

[Early Alert Form](#)

[Ground Course Make-up/Adaptive Services Exam Submis...](#)

[Student Conduct Reporting Form](#)

Help Desk

[Create New Ticket](#)

[Knowledge Base](#)

[TDX Home](#)

[Help Desk](#)

[View Open Tickets](#)

Faculty Course Schedule

Fall 2023

Teaching 1 courses

# Academic Committee Updates



From SPAS Reps

- Academic Standards
- Academic Technology
- Curriculum
- General Ed
- Learning Assessment
- Professional Development
- Shared Governance

- Center for Teaching and Learning Excellence
- QEP
- Honor's Advisory Council
- OTOC
- eLearning
- Library



# Schedule - Upcoming Key Dates – 6 weeks



- **Friday, Oct 20**
- Tuesday, Oct 24
- Friday, Oct 27
- Wednesday, Nov 1
- **Friday, Nov 10**
- Friday, Nov 17
- Friday, Nov 17
- **Wednesday, Nov 22**
- **Thursday, Nov 23**
- **Friday, Nov 24**

**Attendance verification due - Fall Mini B term @4:30**

Priority Registration Begins

ARC Grant Proposals due to Dept Chairs

Tentative Board of Advisors Meeting

**COLLEGE CLOSED**

IGCC Subcommittee's Recommendation Forms Due

FPD Requests to Dept Chair for signature

**STUDY DAY - COLLEGE OPEN - NO CLASSES**

**COLLEGE CLOSED – Happy Thanksgiving**

**COLLEGE CLOSED**





# Schedule - Upcoming Events –

## Faculty Events:

- **OCT 27 – PD Friday**
- Behind the Badge: Career Connections with the Lee County Sheriff's Office - Wednesday, October 18 at 1:30 p.m. in U102 on Lee Campus.
- Healing Horizons: Exploring Careers with Lee Health - Wednesday, November 1 at 10 a.m. in U102 on Lee Campus.
- Crafting Scientific Success: Inside the Lab with NeoGenomics - Tuesday, November 7 at 10 a.m. in U102 on Lee Campus.

## Student/Community Events:

- Oct 13– Charlotte Observatory Open - See the stars at the James & Barbara Moore Observatory on the FSW Charlotte Campus. Viewing begins 30-45 minutes after sunset.
- Oct 14 - Saturday is the Solar Eclipse and the event will officially start at 12 noon and last until 3pm.

### • **OPEN HOUSE – OCT 16 U102 3-6 PM**

Check out BUCS Corner page:

<https://fsw.presence.io/events>

# Schedule - Upcoming Events – PD

## COBP – Mathematics – today at 1 PM!



### True Colors – Keys To Successful Teaching



**PD Session** 11:00 – 1:00 PM | AA-168 (Lee Campus Face-to-Face Session)

Facilitated by Dr. Martin Tawil

True Colors is an attempt to identify various personality styles and label them with colors. For over 40 years, the True Colors proprietary user-friendly temperament and personality typing program has been helping people of all ages, all over the world, understand and recognize differences that can lead to miscommunication and conflict. This workshop will help you learn all about your personality and how to enhance your teaching utilizing True Colors.

**Registration Link:**

<https://fsw.catalog.instructure.com/browse/trainingcalendar/tlc/courses/true-colors-keys-to-successful-teaching>

### Of Escape Rooms and Best Teaching Practices: Exit Tickets, Assignment Scaffolding, and Boosting Student Confidence—Sponsored by the PD Committee



**PD Session** 1:00 – 1:45 PM | Via Zoom

Facilitated by Dr. Scott Ortolano

This session will cover how instructors can use "exit ticket" assignments to scaffold work in their courses. When the clock ticks down, students, even when fully engaged, are often eager to leave and head back out into the world. Exit ticket assignments use this energy to the benefit of student learning. This session will review the nature and best practices of exit ticket assignments and review sample prompts across a variety of disciplines. I will also cover how these assignment prompts fit within broader project arcs in my own courses.

**Registration Link:**

<https://fsw.catalog.instructure.com/browse/trainingcalendar/tlc/courses/of-escape-rooms-and-best-teaching-practices-exit-tickets-assignment-scaffolding-and-boosting-student-confidence-sponsored-by-the-pd-committee>

**PD Session** 1:00 – 2:00 PM | AA-168 (Lee Campus Face-to-Face Session)

Facilitated by Dr. Gerald Anzalone

How stressed out are you at work? Can you identify your stress triggers? Do you respond to stress in healthy ways? Are you interested in learning more about stress management tactics that really work?

If these questions resonate with you, then this workshop can help.

This isn't one of those "don't worry, be happy" motivational talks. This is a troubleshooting session for people who want to learn to handle work stress more effectively.

**Registration Link:**

<https://fsw.catalog.instructure.com/browse/trainingcalendar/tlc/courses/the-art-of-stressing-unlocking-strategies-for-effective-stress-management>

### The Art of Stressing: Unlocking Strategies for Effective Stress Management



### Be CREATIVE: Design



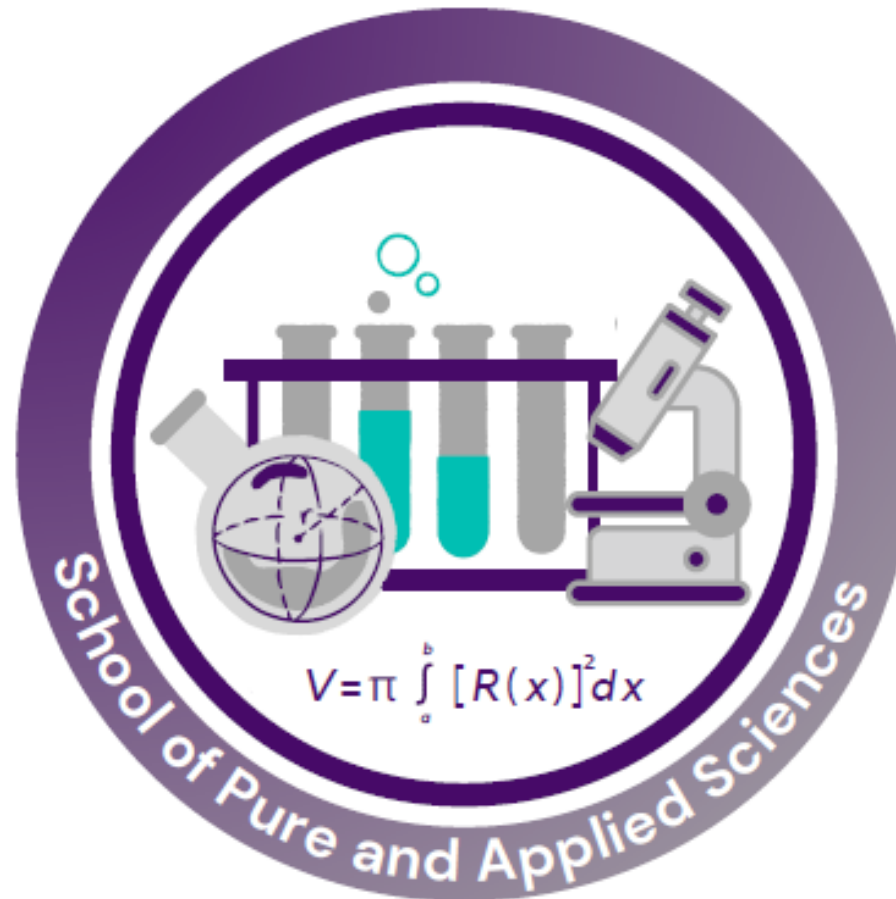
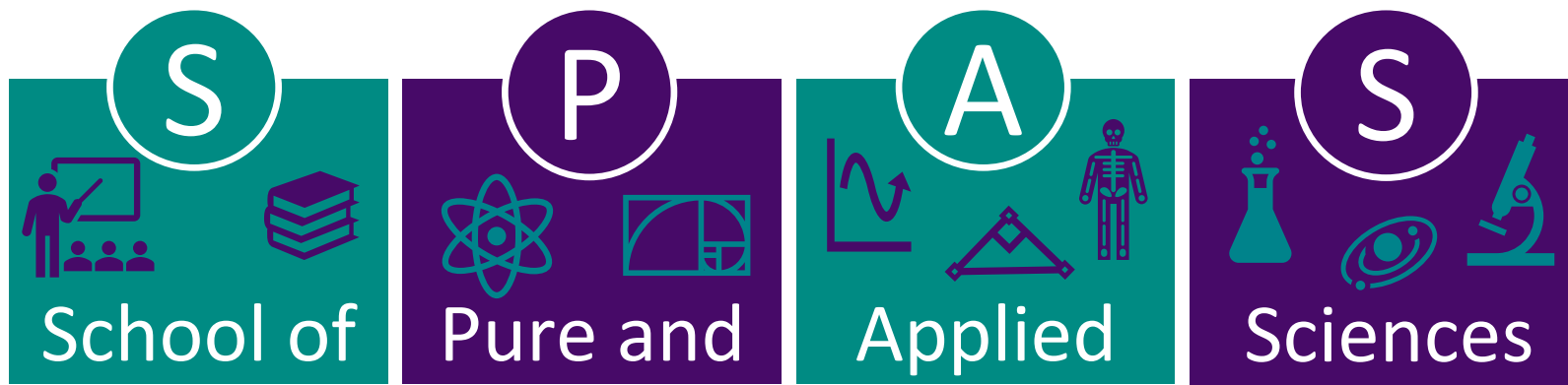
**PD Session** 2:00 – 3:00 PM | Lee Campus AA-168, Charlotte D-101, Collier J-116, & Hendry Glade A-103 (Live on Lee with zoom rooms for all other locations)

Facilitated by Dr. Matthew Vivyan

In this professional development session, we delve into the art of fostering effective inquiry skills in students. Through interactive discussions, real-world examples, and hands-on activities, attendees will discover strategies to cultivate curiosity, critical thinking, and intellectual independence among their students. From igniting curiosity to honing analytical prowess, this workshop provides a comprehensive guide to supporting students in designing their own learning experiences, projects, and assessments in your course. This workshop equips participants with the tools to empower learners in crafting insightful questions, selecting appropriate methods, and establishing clear parameters for in-depth exploration of course topics, concepts, and problems.

**Registration Link:**

<https://fsw.catalog.instructure.com/browse/trainingcalendar/tlc/courses/be-creative-design>



Humor today courtesy of  
<https://wronghands1.com/>  
and <https://xkdc.com>