FOURTH ANNUAL

Mathematics Mini-Conference

February 13-14, 2020

DEERWOOD CENTER

FSCJ Florida State College at Jacksonville

Mathematics
Mini-Conference

Deerwood Center

Thursday, February 13

6-6:50 p.m. ..... **Session 1**

See following workshop descriptions

7-7:50 p.m. ..... **Session 2**

See following workshop descriptions

Friday, February 14

8:30-9 a.m. ..... **Breakfast, Networking and Check-In**

9-9:50 a.m. ..... **Session 1**

See following workshop descriptions

10-10:50 a.m. ..... **Session 2**

See following workshop descriptions

11-11:50 a.m. ..... **Lunch and Pearson Presentation**

Noon-12:50 p.m. ..... **Session 3**

See following workshop descriptions

1-1:50 p.m. ..... **Session 4**

See following workshop descriptions

Each workshop is approved for one non-credit hour toward the One Percent Salary Incentive unless otherwise noted.

Thursday, February 13

Session 1: 6-6:50 p.m.

Breakout "Escape Room" - Challenges to Enhance Student Learning

Matthew Simmons

Do you enjoy puzzles and escape rooms? Come learn how to scale an escape room model for your entire class. Free online resources will also be shared to enhance the classroom experience of your students.

AFPD 3320 / Class Num. 5752 / Room A2107

Roundtable Discussions**

Cathy Herzog

"Support Strategies for Dual Enrollment Educators"

"Support Strategies for Adjunct Instructors"

AFPD 3321 / Class Num. 5758 / Room B1204

Student Panel: Strategies that Promote a Math Growth Mindset

Ruth Dellinger-Young

Come learn from our students themselves. A student panel will share teaching strategies with the audience that allowed them to overcome their mathematical struggles and fears and successfully conquer their math courses!

AFPD 3322 / Class Num. 5759 / Room B1206

Dealing with Student Problems and Problem Students: Decoding Student Behaviors that Can Affect Academic Performance

Dr. Eddy Stringer

When working with students there is no scarcity of sick grandparents, missed emails, malfunctioning alarm clocks, stomach aches and a host of other issues that may prevent a student from meeting our expectations. Yesterday's dog that ate the homework has become today's hard drive that mysteriously crashes every time a major assignment is due. Are these just merely excuses, or are our students reaching out to us for help?

AFPD 3341 / Class Num. 5765 / Room B2206

**Not eligible for the One Percent Salary Incentive

Session 2: 7-7:50 p.m.

Strategies for Teaching Word Problems

Betsy Stoutmorrill

The problem with word problems is that when X is any number and Y is every word, then X + Y = 0 (or ≥ 0 or ≤ 0 or ≈ 0 or IDK or BS). How do math teachers solve that problem? Identifying some reading process variables and accruing some reading tips may move many teachers closer to finding a solution set. This interactive session connects reading and math—so bring your best "worst ever" application problem and your top five "must know" math terms!

AFPD 3323 / Class Num. 5760 / Room A2107

Roundtable Discussions**

Amanda Sartor

"Handling Student Attendance and How this Should Affect their Grade"

"Intervention Techniques for Underprepared Students"

AFPD 3324 / Class Num. 5761 / Room B1204

Canvas Help Session**

Brandi Bleak

Stop by for migration assistance and instructional design help, along with answers to any other Canvas questions you have.

AFPD 3325 / Class Num. 5764 / Room B2204

Interactive Learning with Desmos Online

Matthew Simmons

Desmos is an intuitive, powerful graphing tool that enables faculty and students to easily create and modify graphs. The graphing calculator and many digital activities are available for free. We will also demonstrate how this tool can be embedded in math courseware.

AFPD 3326 / Class Num. 5753 / Room B2206

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Friday, February 14

Session 1: 9-9:50 a.m.

Responding to Classroom Crises: Medical and Other Emergencies

Chief Leeann Bradshaw, Michael "Jason" Carpenter and Captain John Mike

Often times, college professors and teachers are forced to deal with medical or other types of student emergencies in their classrooms. This program is intended to provide a brief overview of how to deal with emergencies in a timely and professional manner.

AFPD 3327 / Class Num. 5770 / Room A1106

Roundtable Discussions**

Nancy Eschen, Dr. Brian Nail and Dr. John A. Woodward

Rigor: "What does rigor mean to you? Is it important? Why?"

Academic Dishonesty: "What have you experienced and what were the results?"

AFPD 3328 / Class Num. 5772 / Room B1204 (South)

Exceptional Teaching for Exceptional Students: Thriving in a Neuro-Diverse Classroom

Dr. Marcia Lamkin and Anthony Marler

This workshop will familiarize participants with the research-based principles of working with students in all ranges of the autism spectrum and provide and practice strategies to integrate all students into the class community.

AFPD 3480 / Class Num. 5773 / Room B1206

Redefining the Developmental Curriculum**

Hawkes Learning

How do you...get students to read a textbook? Prepare students for any math pathway? Incorporate non-cognitive skill development? Diagnose individual skill gaps? Identify at-risk students? Join us for a discussion on innovative ways to answer these questions and promote active learning in the classroom. Attend to win an Amazon gift card!

Room B1204 (North)

Canvas Help Session**

Robyn Reese

Stop by for migration assistance and instructional design help, along with answers to any other Canvas questions you have.

AFPD 3325 / Class Num. 5774 / Room B2204

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Hybrid Training

Dr. Barbara Moyer

This course focuses on the key characteristics of a hybrid/blended course. Participants will learn how to balance the online and face-to-face components in this workshop. Emphasis will be placed on effective planning and technology implementation.

AFPD 3301 / Class Num. 5775 / Room B2206

Session 2: 10-10:50 a.m.

Discrete Mathematical Models in Biology

Dr. Daniela Genova

This talk will focus on the interplay between discrete mathematics and theoretical computer science on one side and biomolecular processes and interactions on another, which is studied in the field of natural computing. On one hand, discrete mathematical structures can be used to model computational processes taking place in nature, and on the other, a new computational methods that are inspired by nature can be created. This talk will present discrete mathematical models of both.

AFPD 3329 / Class Num. 6001 / Room A1106

Roundtable Discussions**

Dr. Marcia Lamkin

"Working Together: How state colleges and universities can support each other."

"Working Together: How math professors and tutors can support each other."

AFPD 3330 / Class Num. 5776 / Room B1204

Promoting Access to Math for Students with Vision Impairment

Patrick Turnage and Elizabeth Wilcox

Math is visual in subject and can be challenging for many students, but may feel especially challenging for students with vision impairment. This presentation will review common math functions and discuss various accommodations that can be used to make instruction more accessible.

AFPD 3482 / Class Num. 5778 / Room B1206

Making an Impact on Learning by Improving Access and Student Success**

Lumen Learning

Learn more about how Lumen Learning is improving student success via affordable courseware OHM. We will review the technology, functionality enhancements, Desmos interactives, impact that cost savings has on students, and OHM integration with Canvas.

AFPD 3331 / Class Num. 5780 / Room B2204

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Online Training

Dr. Barbara Moyer

This course will cover basic issues of online learning such as pedagogy, compliance and Canvas. This course is designed for those with limited experience teaching an online class at FSCJ.

AFPD 3332 / Class Num. 5931/ Room B2206

Lunch and Presentation: 11-11:50 a.m.

Lunch Presentation: Innovations in Corequisite Courses**

Pearson

Student success is always our goal! Let's discuss corequisite solutions and innovations in MyLab Math and Stats that help empower the learner to succeed. We'll show you strategies in helping students develop growth mindset and much more!

AFPD 3333 / Class Num. 5932 / Room B1204

Session 3: Noon-12:50 p.m.

Crash Course in Complex Analysis, Part 1

Bill Meisel

See Professor Meisel attempt the impossible – teaching an entire semester of Complex Analysis in two hours. Part 1 will cover the basics of complex numbers, polar form, De Moivre's Theorem, the complex exponential and trigonometric functions, the complex logarithm, the Cauchy-Riemann equations, analytic functions, and derivatives of complex functions.

AFPD 3334 / Class Num. 5933 / Room A1106

Roundtable Discussions**

Caroline Sampson

"Supporting student math pathways from high school to college"

"Continuity across the secondary and college math curriculum"

AFPD 3335 / Class Num. 5934 / Room B1204

The BOLT Project

Nancy Eschen and Emily O'Neil

The BOLT Project gives precalculus students the opportunity to conduct experiments and to collect and analyze data utilizing technology available in the South Campus Steam Room. The project was jointly developed by South Campus Library and Learning Commons staff and South Campus mathematics faculty.

AFPD 3336 / Class Num. 5935 / Room B1206

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Rewriting the Rules of Textbook Economics to Make Textbooks Affordable**

Flatworld

Attend this session to learn about an affordable and comprehensive suite of course materials for your math students. In addition to a clear and engaging textbook, every major topic includes a series of video lessons by award-winning Mathematician and Professor Edward Burger. Burger breaks concepts into manageable chunks and explains each example step-by-step, making algebraic operations understandable and memorable. In this session, we will also demo FlatWorld Homework, a robust and easy-to-use platform for building and auto-grading assignments and tracking student grades. All of this is available to students for $34.95 and includes full instructor supplements.

AFPD 3337 / Class Num. 5937 / Room B2204

Brainfuse Online Tutoring

Youlanda Henry

This workshop will introduce the Brainfuse online tutoring platform. It will highlight the synchronous and asynchronous tutoring support features, as well as the supplemental academic and collaborative tools in the system that further enhance the learning experience. Lastly, faculty will be shown how the faculty dashboard feature can be used to assign online tutoring tasks to their students. There will be an opportunity for Q & A.

AFPD 1309/ Class Num. 5943 / Room B2206

Session 4: 1-1:50 p.m.

Crash Course in Complex Analysis, Part 2

Bill Meisel

See Professor Meisel attempt the impossible – teaching an entire semester of Complex Analysis in two hours. Part 2 will cover residues, Cauchy's Integral Formula, and using complex integration to solve several quite difficult real valued integrals. It is recommended that you attend part 1 if you plan to attend part 2.

AFPD 3338 / Class Num. 5996 / Room A1106

Using Alta's Adaptive Learning Technology**

Wiley

Alta is Knewton's fully integrated, adaptive learning courseware. A complete course solution, Alta helps you put achievement within reach for your students through a personalized learning experience that's impactful, accessible and affordable.

AFPD 3342 / Class Num. 6003 / Room B1204

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It's Time to Flip Your Thinking...About the Flipped Classroom

Jeniah Jones

This workshop explores the characteristics of "traditional" and "new" flipped classrooms. Through shared experiences and innovative thought, you will have the opportunity to flip your thinking about the flipped classroom.

AFPD 3339 / Class Num. 5997 / Room B1206

Canvas Help Session**

Thomas Lewis

Stop by for migration assistance and instructional design help, along with answers to any other Canvas questions you have.

AFPD 3325 / Class Num. 5998 / Room B2204

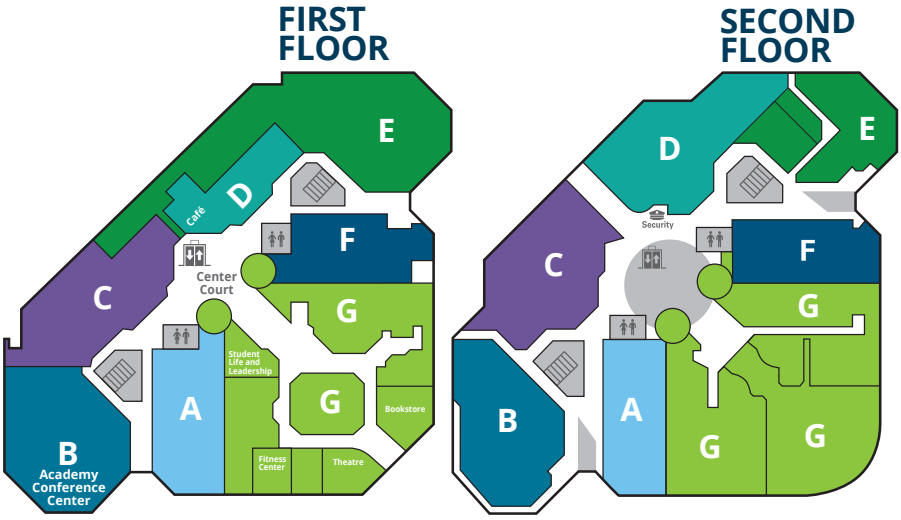
Introducing NetSupport

Haylan Washington

NetSupport is software used to allow remote screen control and systems management. Come learn how to use this software for a variety of purposes including the prevention of cheating on computer-based testing in your classes.

AFPD 3340 / Class Num. 5999 / Room B2206

DEERWOOD CENTER



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Notes

Notes

Join Us for Virtual Learning Week

February 24-28

This will be an interactive and engaging week of professional development dedicated to developing FSCJ faculty and staff through a wide variety of courses that are conveniently delivered online. Stay tuned for details.

After the Conference

Share your photos from the day with us by tagging them with **#FSCJMathematicsConference**

FSCJ Florida State College at Jacksonville