50th AMATYC Annual Conference

Atlanta, Georgia

November 14 – 17, 2024

Conference Hotel

Hilton Atlanta
255 Courtland Street NE
Atlanta, GA 30303

Hosted by GMATYC and the Southeast Region

Opening Doors Through Mathematics

www.amatyc.org

Courtesy of ACVB Marketing & Melissa McAlpine

On-site Conference Registration

Hilton Atlanta

AMATYC Registration Desk — Group Registration (1st floor)

Wednesday, November 13	4:00 pm - 8:00 pm
Thursday, November 14	7:00 am - 6:00 pm
Friday, November 15	7:00 am - 4:00 pm
Saturday, November 16	7:00 am - 8:00 am
Saturday, November 16	10:00 am - Noon

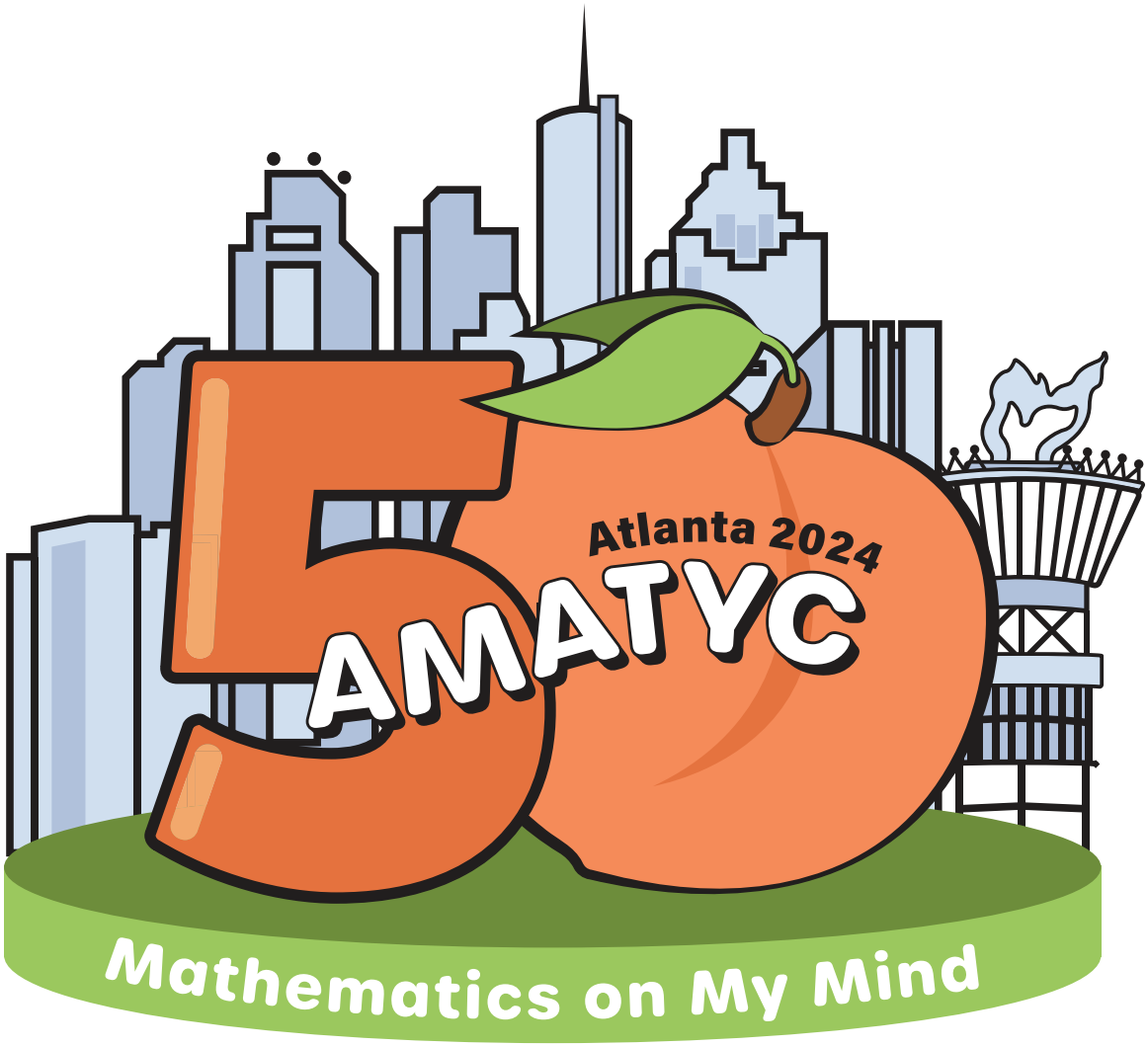
WELCOME

to the

50th Annual Conference

of the

American Mathematical Association of Two-Year Colleges



Created: August 2024
Revised: November 2024

AMATYC
50 YEARS OF IDEAS

Policy on a Welcoming and Inclusive Environment

The American Mathematical Association of Two-Year Colleges (AMATYC) is committed to providing an atmosphere that encourages the free expression and exchange of ideas. AMATYC values diversity in its membership and leadership and believes that a welcoming and inclusive environment encourages input from individuals with a variety of backgrounds and results in a stronger, more relevant organization. It is the policy of the organization that all participants in AMATYC activities will enjoy an environment where their presence and contributions are met with unbiased and equitable consideration.

AMATYC is dedicated to the philosophy of equality of opportunity and treatment for all members, regardless of gender, gender identity or expression, race, nationality, ethnicity, religion or religious belief, age, marital status, sexual orientation or identification, disabilities, veteran status, or any other reason not related to scientific merit. The professional behavior and communication of AMATYC members should reflect an environment that is safe, respectful, and supportive of others.

The legal definition of harassment is "unwanted, unwelcomed and uninvited behavior that demeans, threatens or offends the victim and results in a hostile environment for the victim. Harassing behavior may include, but is not limited to, epithets, derogatory comments or slurs and lewd propositions, assault, impeding or blocking movement, offensive touching or any physical interference with normal work or movement, and visual insults, such as derogatory posters or cartoons". (Source: https://definitions.uslegal.com/h/harassment/, retrieved 8/20/2021) Harassment is a form of misconduct that undermines the integrity of our organization.

This policy applies to all attendees including members, students, guests, staff, contractors and exhibitors, participants in professional sessions, tours, and social events of any AMATYC meeting or other activity. Participation in AMATYC activities indicates an agreement to behave in a manner consistent with these standards.

In the unfortunate event that an individual(s) experiences a possible violation of this policy, the incident should be reported to: amatyccares@amatyc.org, or the AMATYC leader of the individual's choice.

Revised by the Board: October 2021

Vision Statement

To be the leading voice and resource for excellence and inclusion
in the first two years of mathematics in colleges and universities.

Revised by the Board: January 2023

Mission Statement

The American Mathematical Association of Two-Year Colleges (AMATYC) mission is to provide high quality professional development, to build inclusive communities of scholars, and to collaborate with and advocate for all involved in mathematics education in the first two years of college.

Revised by the Board: January 2023

Core Values

These are the Core Values that guide AMATYC's internal and external interactions with each other and our community:

- Community
- Excellence
- Inclusivity
- Integrity
- Professional Development
- Responsiveness

Revised by the Board: May 2023

Created: August 2024
Revised: November 2024

Keynote Speakers

Thursday Keynote Session

Ted Coe

Meaningful Mathematics and Mathematical Meanings: What Do You Mean?

Thursday, November 14
3:00 pm – 4:30 pm

As mathematics professionals we love holding tight to mathematical definitions. Huzzah! With other meaningful things, though, we don't always work from shared meanings. In this light-hearted talk we'll dive into how developing shared understandings of both meaningful mathematics and mathematical meanings can work for the benefit of students.

Saturday Awards Breakfast Session

Luis Harold Asturias Méndez

Language and Mathematics Are Interconnected: One Cannot Develop Without the Other

Saturday, November 16
Breakfast Served (ticket required): 7:45 am – 8:15 am
Program: 8:30 am – 10:00 am

Language and math are interconnected and mutually reinforcing. Systemic inequities have contributed to achievement gaps for our English learners. We should amplify, not simplify, the language students use to communicate for academic purposes. This interactive session will explore the interconnectedness between language and mathematics learning.

Featured Speakers

Brittany Mosby

Teaching to Transgress: Mathematics as the Practice of Freedom

Friday, November 15
9:10 am – 10:00 am

Through a lens of pedagogy and social justice, learn and explore how the first-year mathematics classroom becomes a unique site to decolonize the curriculum and honor students' diverse motivations for learning by creating a liberating educational experience that creates not only employable workers, but also critically thinking citizens.

Christopher Jett

Empowering Black Male Students in Mathematics Contexts

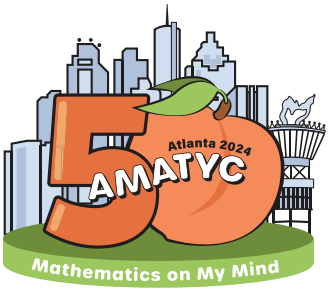
Saturday, November 16
12:10 pm – 1:00 pm

The presenter will share insights about empowering Black male students in mathematics contexts drawing upon his experiences teaching core mathematics courses and his related research findings. The session will have an explicit focus on sharing implications for faculty teaching mathematics courses within the first two years of college.

Created: August 2024
Revised: November 2024

Conference at a Glance

Opening Doors Through Mathematics



Tuesday and Wednesday, November 12-13

Pre-Conference

6th National Mathematics Summit (separate registration required - details here)

Wednesday, November 13

4:00 pm - 8:00 pm	Conference Registration Open (Registration Area)
5:00 pm - 5:50 pm	AMATYC 101: Walk, Talk, and Learn about AMATYC (meet in Registration Area)

Thursday, November 14

7:00 am - 6:00 pm	Conference Registration (Registration Area)
8:00 am - 9:55 am	Themed Sessions
8:00 am - 8:50 am	AMATYC 101: Walk, Talk, and Learn about AMATYC (meet in Registration Area)
10:20 am - 2:40 pm	Concurrent Sessions
3:00 pm - 4:30 pm	Keynote Session ***Meaningful Mathematics and Mathematical Meanings: What Do You Mean?*** Keynote Speaker: **Ted Coe**
4:30 pm - 7:00 pm	Exhibit Hall Grand Opening
7:00 pm - 9:50 pm	Research Session

Friday, November 15

7:00 am - 4:00 pm	Conference Registration (Registration Area)
8:00 am - 11:10 am	Symposium and Workshop ***Engaging in Research in Mathematics With Two-Year College Students***
8:00 am - 11:10 am	Concurrent Sessions
9:10 am - 10:00 am	Featured Speaker: **Brittany Mosby** ***Teaching to Transgress: Mathematics as the Practice of Freedom***
10:20 am - 11:10 am	Academic Network Exchanges
11:10 am - 11:45 am	Dedicated Exhibit Time
11:45 am - 1:15 pm	Regional Luncheons and Meetings (meal ticket required)
1:15 pm - 2:00 pm	Dedicated Exhibit Time
2:00 pm - 4:00 pm	Poster Session
2:00 pm - 4:00 pm	Concurrent Sessions, Mini Sessions
4:20 pm - 5:10 pm	Faculty Math League
6:00 pm - 8:00 pm	2024 Ignite

Saturday, November 16

7:00 am - 8:00 am	Conference Registration (Registration Area)
7:45 am - 8:30 am	Keynote Session (meal ticket required) ***Language and Mathematics Are Interconnected: One Cannot Develop Without the Other*** Keynote Speaker: **Luis Harold Asturias Méndez**
10:00 am - 10:45 am	Dedicated Exhibit Time
10:00 am - 10:50 am	AMATYC Involvement Fair
11:00 am - 4:30 pm	Concurrent Sessions
12:10 pm - 1:00 pm	Featured Speaker: **Christopher Jett** ***Empowering Black Male Students in Mathematics Contexts***
1:20 pm - 2:10 pm	Academic Network Exchanges

Sunday, November 17

8:15 am - 10:15 am	Concurrent Sessions
10:30 am - 11:15 am	Closing Session

Created: August 2024
Revised: November 2024

Regional Meetings & Lunch

All conference attendees are encouraged to attend the appropriate AMATYC Regional Meeting. The agenda for each meeting will include a review of issues for the Delegate Assembly, reports from states/affiliates in the region, a summary of the Executive Board meeting, and other items of concern.

Regional Meetings & Lunch

Friday, November 15

Lunch* served: 11:45 am – Noon (*ticket required)
Regional Meetings: Noon – 1:15 pm
Pick up your food at the buffet near your meeting room. Then join your colleagues at your region's meeting in the room listed below.

1.	**NORTHEAST**	**AJ STACHELEK, Vice President** Connecticut • Maine • Massachusetts • New Hampshire • New York • Rhode Island Vermont • New Brunswick • Newfoundland • Nova ScotiaOntario • Prince Edward Island Quebec	**Room: 221**
2.	**MID-ATLANTIC**	**DENNIS EBERSOLE, Vice President** Delaware • District of Columbia • Maryland • New Jersey • Pennsylvania Virginia • West Virginia	**Room: 219**
3.	**SOUTHEAST**	**ALVINA ATKINSON, Vice President** Alabama • Florida • Georgia • Louisiana • Mississippi • North Carolina • South Carolina Tennessee • Puerto Rico • Virgin Islands • Other Caribbean Islands	**Room: Grand Ballroom CD**
4.	**MIDWEST**	**BRANDON BARTLEY, Vice President** Illinois • Indiana • Kentucky • Michigan • Ohio • Wisconsin	**Room: Crystal Ballroom ABEF**
5.	**CENTRAL**	**DALE JOHANSON, Vice President** Colorado • Iowa • Kansas • Minnesota • Missouri • Nebraska • North Dakota South Dakota • Manitoba • Saskatchewan	**Room: 220**
6.	**SOUTHWEST**	**JENNIFER TRAVIS, Vice President** Arizona • Arkansas • New Mexico • Oklahoma • Texas • Mexico	**Room: 204/205**
7.	**NORTHWEST**	**JESSICA BERNARDS, Vice President** Alaska • Idaho • Montana • Oregon • Washington • Wyoming • Alberta British Columbia • Northwest Territory • Yukon Territory • Other International Locations	**Room: 222**
8.	**WEST**	**LINDSEY GERBER, Vice President** California • Hawaii • Nevada • Utah • Guam	**Room: Crystal Ballroom CD**

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Project ACCCESS

AMATYC welcomes the ACCCESS Fellows to the 50th AMATYC Annual Conference in Atlanta

2023-2024 ACCCESS Cohort 19

Shannon Benes, Johnson County CC, Overland Park, KS
Drew Boso, Northwood Technical College, Ashland, WI
Scott Brewer, Metropolitan CC-Omaha, Omaha, NE
Maria Cristina Bucur, Harrisburg Area CC, Central Pennsylvania's CC, Harrisburg, PA
Rebecca Claxton, Raritan Valley CC, Branchburg, NJ
Heather Collins, College of Southern Maryland, La Plata, MD
Katherine Evans, Truckee Meadows CC, Reno, NV
Ramiro Garcia, Los Angeles Pierce College, Woodland Hills, CA
Marggie Gonzalez-Toledo, Frederick CC, Frederick, MD
Cynthia Goodman, University of New Mexico-Valencia, Los Lunas, NM
Ruchika Gulati, Johnson County CC, Overland Park, KS
Mary Guzman, Frederick CC, Frederick, MD
Breanne Hooks, Santa Fe College, Gainesville, FL
Christine Langer, Ivy Tech CC, Richmond, IN
Benjamin Listhartke, Metropolitan CC-Longview, Lee's Summit, MO
Brooke Outlaw, Wake Technical CC, Raleigh, NC
Melida Paz, Los Angeles Mission College, Sylmar, CA
Beth Rawlins, Oklahoma City CC, Oklahoma City, OK
Jamie Ryan, Pima CC, Tucson, AZ
Aja Shabana, Connecticut State CC-Middlesex Campus, Middletown, CT
James Sheldon, Pima CC, Tucson, AZ
Nicole Sullivant, Central New Mexico CC, Albuquerque, NM
Kaylee Tuttle, Western Wyoming CC, Rock Springs, WY
Daniel Van der Vieren, Aims CC, Greeley, CO

2024-2025 ACCCESS Cohort 20

Divya Ajinth, Waubonsee CC, Sugar Grove, IL
Kaiwen Amrein, Clackamas CC, Oregon City, OR
Melvin Cacayorin, Red Rocks CC, Lakewood, CO
Nicole Conway, Iowa Western CC, Council Bluffs, IA
Rachel Friedman, Trident Technical College, North Charleston, SC
Stuart Hamilton, Saint Louis CC-Forest Park, St. Louis, MO
Cristy Hanlon, West Virginia University at Parkersburg, Parkersburg, WV
Patsy Herman, Phoenix College, Phoenix, AZ
Sidney Jennings, Lone Star College-Unversity Park, Houston, TX
Mona Kamal, Howard CC, Columbia, MD
Deepa Ramakrishnan, Frederick CC, Frederick, MD
Jonathan (Cole) Regnery, Rock Valley College, Rockford, IL
Rebecca Roberts, Snow College, Ephraim, UT
James Sheldon, Pima CC, Tucson, AZ
Reena Tandon, Saint Louis CC, St. Louis, MO
Noah Weiss, Southeast CC, Beatrice, NE
Cory Wilson, Oklahoma City CC, Oklahoma City, OK

Project ACCCESS Coordinator: Lisa Feinman

Teaching for PROWESS

Participants of the TfP 2024 Summer Institute

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2024 Award Recipients

Mathematics Leadership Excellence Award Recipients

Linda Zientek
Sam Houston State University
Huntsville, TX

Vilma Mesa
University of Michigan
Ann Arbor, MI

Herb Gross Presidential Award

James (Jim) Ham
Delta College
University Center, MI

AMATYC Foundation Awards Recipients

Leila & Simon Peskoff Award

Nolan Outlaw
Wake Technical CC
Raleigh, NC

Margie Hobbs Award

Becky Groseth
Anoka-Ramsey CC
Coon Rapids, MN

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2024 Exhibit Hall

Hilton Atlanta

Salon

Exhibit Hours

Thursday, November 14
Grand Opening
4:30 pm - 7:00 pm

Friday, November 15
8:30 am - 11:45 am
1:15 pm - 5:00 pm
Exhibitors Featured
1:15 pm - 2:00 pm

Saturday, November 16
9:45 am - 1:00 pm
Exhibitors Featured
10:00 am - 10:45 am

****Note: Allowing a vendor to scan the QR code in the Whova app will grant them access to your contact information.****

Exhibitor	Booth(s)
✱2024 Corporate Partners✱	
Hawkes Learning	501, 503, 600, 602
McGraw-Hill	301, 303, 400, 402
Pearson	401, 403, 500, 502
Wiley	201, 300
AMS IGEN Math Initiative	209
Cengage	306, 308
COMAP	506
Compassionate Math	101
Crowdmark	302
Link-Systems International, Inc.	200
Lumen Learning	606
Macmillan Learning	203
MathGPT	408
Mu Alpha Theta	103
MyOpenMath	409
National Organization for Student Success (NOSS)	309
Society of Actuaries	202
Rguroo Statistical Software Soflytics Corp	507
Vretta-Lyryx Inc.	407
Way to Succeed: Mindful Insights for Learning	207
XYZ Textbooks	307, 406

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Instagram
Follow us: instagram.com/amatyc

X
Follow us: x.com/mathamatyc

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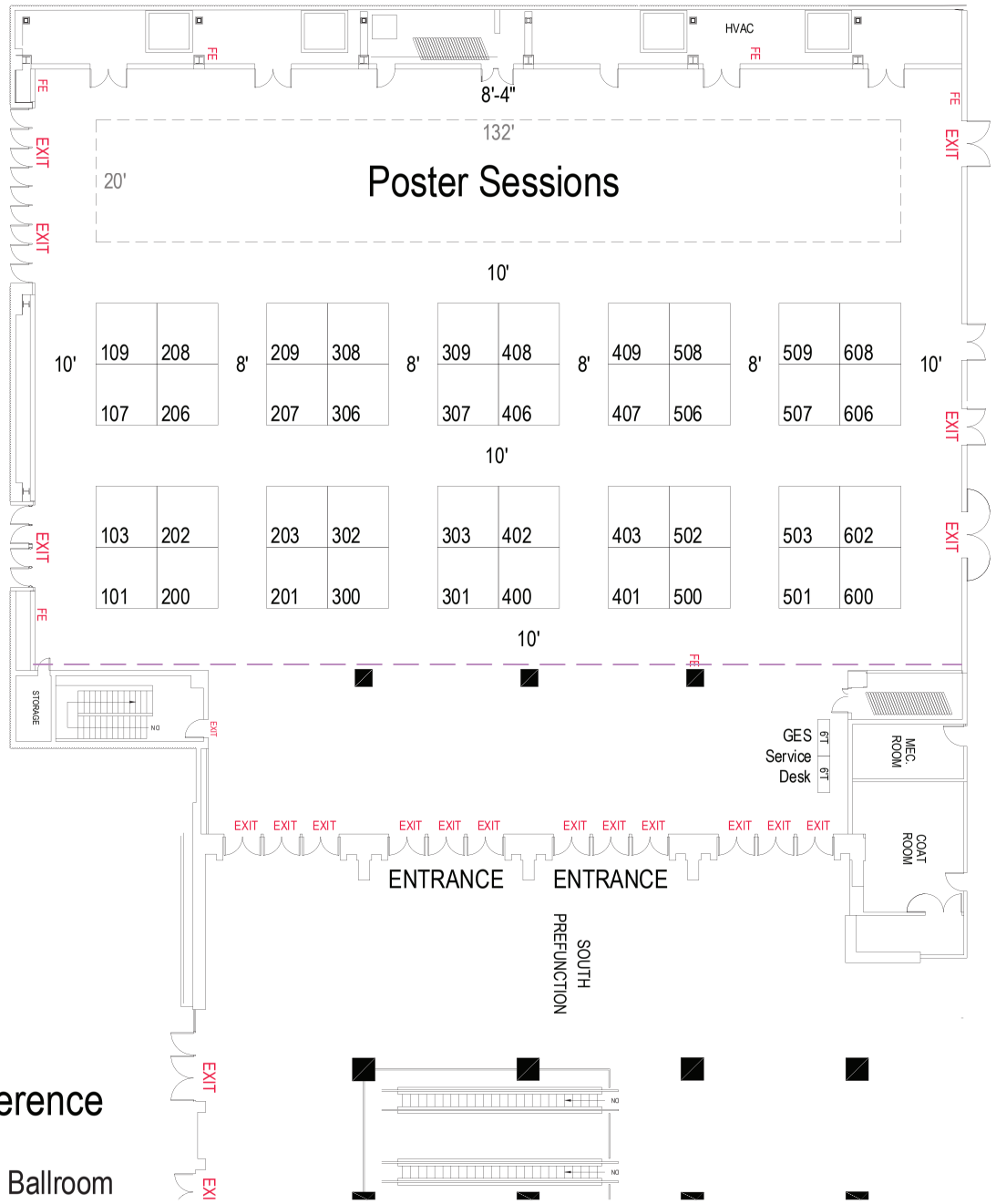

AMATYC Annual Conference

November 14-17, 2024

Hilton Atlanta - Level 2 - Salon Ballroom

GES

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Plotted: Apr 25, 2024

By: FMONTES

Conference Program

Wednesday, November 13

5:00 PM - 5:50 PM PD
Room: Registration Area

S001A: AMATYC 101 - Walk, Talk, and Learn!
Have fun on a relaxing walking tour of Hilton Atlanta Downtown Hotel. Along the way, you will learn all about AMATYC and meet the leadership, as well as discover ways to get involved and share great ideas with others beyond the annual conference.

Presenters:
Alvina Atkinson – Georgia Gwinnett College, Lawrenceville, GA
Lindsey Gerber – Utah Valley Univ, Orem, UT

Registration Desk Open
Hilton Atlanta
Group Registration - 1st floor
4:00 pm – 8:00 pm

Stop by and pick up your badge and conference materials. You can also stop by the Foundation table, make a donation, and get your Dot.

Atlanta Program Keys

Following the title of each regular session and workshop you will find letter codes identifying the general categories that best describe the focus of the presentation. Speakers were asked to identify up to three Program Keys that best describe their presentation. You may use Whova, the conference app with more details coming soon, to filter sessions with specific Program Keys. See below for more details about each Program Key.

EQ Equity and Inclusivity
- Equity, diversity, and social justice in providing mathematics education to all students
- Collaboration with AMATYC leadership, committees and ANets, and Project ACCCESS to increase awareness about diversity

IG International, Cultural and General Interest
- Best practices regarding the teaching and learning of mathematics around the world
- Professional development opportunities to infuse global perspective in teaching
- Mathematics or the teaching of mathematics relative to history or any culture or people
- Topics of general interest

MI Math Intensive
- STEM courses: Precalculus, Calculus, and beyond

MN Math for Non-STEM
- Courses such as Quantitative Literacy or Reasoning, Liberal Arts Math, or Finite Math
- Topics such as probability, statistics, or finance which might be used in a QR course

PD Professional Development and Department/Division Interests
- Strategies for helping college faculty improve or evaluate their teaching while discovering and implementing best practices
- Suggestions to address needs, preparation, and inclusion of adjunct faculty
- Ideas for fostering collaboration and community within or between departments and institutions while providing for student success

PS Pathways for Student Success
- Any sequence of courses, including developmental mathematics, that most efficiently leads to the student's final college-level mathematics course in the field of study
- Student placement into the correct mathematics course, program, or pathway using various advising tools or multiple measures
- Assessment of student proficiency, courses, or programs

RG Research and Grants
- Reports on research results and practices, at both classroom and institutional level
- Reports on grant-supported or grant-related activities
- Strategies to obtain funding to undertake research

SM Strategies and Mindset for Student Success
- Improvement of the quality of developmental mathematics programs to better prepare students for success
- Strategies for enabling students to take ownership for learning, deal with math anxiety, and gain confidence to succeed by developing a mathematical mindset.

ST Statistics
- Statistics
- Statistical literacy
- Data science

TC Teaching in Grades K-12 and Applying Math to Other Careers
- Courses to prepare education majors to teach mathematics in K-12
- Mathematics courses for career and technical programs, both terminal and transfer
- Courses such as business statistics or business calculus
- Courses with emphasis on applications and technical communication

TL Technology and E-Learning
- Use of technology in course delivery, engagement of students, or collaboration of students and/or faculty
- Hybrid, blended, or online courses

Created: August 2024
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8:00 AM

8:00 AM - 8:50 AM PD
Room: Registration Area

S001B: AMATYC 101 - Walk, Talk, and Learn!
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Presenters:
Alvina Atkinson – Georgia Gwinnett College, Lawrenceville, GA
Lindsey Gerber – Utah Valley Univ, Orem, UT

Themed Sessions

Promoting Joy and Inclusion With an International Mathematics Lens

Sponsored by the International Mathematics ANet
Barbara Leitherer, Chair

8:00 AM - 8:15 AM IG, EQ
Room: Galleria 1

T1A: Adding a Global Lens to Mathematics Teaching With Cricket Game
This presentation focuses on how cricket, a popular sport enjoyed by more than 2.5 billion fans, spread over 100 countries, can be utilized to enhance critical thinking, creativity and collaboration in a mathematics classroom that in turn helps to achieve equity and inclusion.
Presenter:
Radhakrishnan (Krish) Palaniswamy – CC of Baltimore County, Owings Mills, MD

8:20 AM - 8:35 AM IG
Room: Galleria 1

T1B: The Joy of Mathematics: Minimizing Distance Without Using Calculus
The presenter will demonstrate innovative approaches to solving applied optimization problems that involve minimizing distance while respecting constraints. These alternative methods will not rely on calculus derivatives but instead utilize a "reflection principle" grounded in symmetry, geometric properties, and heuristic techniques.
Presenter:
Ivan Retamoso (2019 Project ACCCESS Fellow) – Borough of Manhattan CC, New York, NY

8:40 AM - 8:55 AM IG
Room: Galleria 1

T1C: A Global Application for an Applied Algebra and Trigonometry Course
A couple of activities with global aspect have been created for students. Laws of Sine and Cosine are used to find distances between locations on the world map. Then, exponential functions will be used to calculate the amount needed to save and invest to pay for such trip.
Presenter:
Jignasa Rami – CC of Baltimore County, Baltimore, MD

9:00 AM - 9:15 AM IG
Room: Galleria 1

T1D: Collaborative Online International Learning With Filipino Students
Students at Santa Fe College interacted with their peers at Urdaneta City College in the Philippines asynchronously and synchronously. They collaborated to create an authentic math question regarding the United Nations Sustainable Development Goals (UNSDGs) with strategies to solve it. UNSDGs raise environmental awareness, emphasize global cooperation, and value equity.
Presenter:
Manisha Ranade (2019 Project ACCCESS Fellow) – Santa Fe College, Gainesville, FL

Created: August 2024
Revised: November 2024

9:20 AM - 9:35 AM IG
Room: Galleria 1

T1E: Study Abroad With Mathematics: Developing a Mathematical Lens
Students in Contemporary Mathematics at Santa Fe College participated in a study abroad in Ireland which was part of a learning community. It encompassed a math and literature course. The mathematics course addressed course objectives while developing the students' mathematical lens and increasing their appreciation for the beauty of mathematics
Presenter:
Breanne Hooks (2023 Project ACCCESS Fellow) - Santa Fe College, Gainesville, FL

9:40 AM - 9:55 AM IG
Room: Galleria 1

T1F: Quantitative Literacy Applications: Exploring Conversions Through Travel
In a recent study-away program to Europe, students expanded their lens of the world through the daily practice of conversions. Whether preparing for a study-away program or bringing global content into the mathematics classroom, students benefit from understanding the differences and similarities of various measurements that will be shared.
Presenter:
Amanda Davis (2020 Project ACCCESS Fellow) - Forsyth Technical CC, Winston-Salem, NC

Balancing Technology in Math Intensive Courses

Sponsored by the Mathematics Intensive ANet
Robert (Bob) Cappetta, Chair

8:00 AM - 8:15 AM MI, TL
Room: Galleria 2

T2A: Solving a 5x5 System of Equations Consisting of Elliptic Integrals
There are some systems of equations that computer algebra systems cannot solve directly. Applying the Schwarz-Christoffel Formula in conformal mapping to solve for the exact solution of steady seepage in an asymmetrical domain underneath a cofferdam requires an indirect approach.
Presenter:
Tan Nguyen - College of Southern Nevada, Las Vegas, NV

8:20 AM - 8:35 AM MN, TL
Room: Galleria 2

T2B: Using Matrices and Functions to Manipulate Pictures
Photo filtering is common practice now, but how does it work. The presenters will explore ways to use matrices and functions to create photo filters and picture manipulations, and then use Python codes to make matrices come to life.
Presenter:
Patrick Wilcher - Mississippi Gulf Coast CC, Perkinston, MS

8:40 AM - 8:55 AM MI, TL
Room: Galleria 2

T2C: Using Python Programming in Single and Multivariable Calculus
Some techniques in mathematics lend themselves to numerical methods, where computers can be utilized to show the power and utility of algorithms. Python programming, in particular, is both free for students and instructors, but is also growing in popularity. Programs for the calculus sequence will be made available for participants.
Presenter:
Johanna Debrecht - Red Rocks CC, Lakewood, CO

Created: August 2024
Revised: November 2024

9:00 AM - 9:15 AM MN, TL
Room: Galleria 2

T2D: Integer Solutions for a Three-Logarithm Equation Using Technology
This presentation explores technology's role in precalculus, focusing on integer solutions for a three-logarithm equation. Limited equations from online homework systems prompted further exploration. A computer algebra system and AI facilitated solving and coding, resulting in a MyOpenMath problem generating 54 unique equations, providing a pool of potential test questions.
Presenter:
Eric Hutchinson – College of Southern Nevada, Henderson, NV

9:20 AM - 9:35 AM MI, TL
Room: Galleria 2

T2E: Deepening Conceptual Understanding of Multivariable Calculus, What if...
"Will two planes collide if their paths intersect?" "Can a particle move at a constant speed if its path is not a line or a circle?" Helping students move beyond memorizing formulas and steps to gain insight and deeper understanding through active exploration, visualization, and interesting conceptual questions using CalcPlot3D.
Presenter:
Paul Seeburger – Monroe CC, Rochester, NY

9:40 AM - 9:55 AM MI, TL
Room: Galleria 2

T2F: Desmos Can't Do Calculus?
Technology is our greatest ally and our biggest adversary, depending on how we navigate its use. This session will highlight several instances in calculus where students' curiosity and perseverance backfired when technology led them astray: "Desmos can't do Calculus?" What should a teacher do when they hear these words?
Presenter:
Keith Nabb – Piedmont Virginia CC, Charlottesville, VA

CIMI and Needed Math: Mathematics Applications With Industry Connections

Sponsored by the Mathematics and Its Applications for Careers ANet
Natalia Postrigan, Chair

8:00 AM - 8:15 AM MI, TC, RG
Room: Galleria 3

T3A: Analysis of Flow Rates and Temp Changes Result Safe Levels of Cleaning
Clean in Place (CIP) systems are used in beverage industries to daily clean internal piping and tanks. Data is gathered from a flow meter and analyzed to maintain a consistent and repeatable CIP process to effectively clean and conservatively use resources. Classroom ready activities for Precalculus and Calculus distributed.
Presenter:
Jay Martin – Wake Technical CC, Raleigh, NC

8:20 AM - 8:35 AM MI, TC, RG
Room: Galleria 3

T3B: Technicians Use Math to Test Circuit Breakers Performance: Shocking
Circuit breakers are a critical component for managing electrical power. Technicians must apply critical thinking as well as significant understanding of graphs, slope, and units when testing and modifying breaker assemblies to meet design specifications. Could your students get the job done?
Presenter:
Rodney Null (2013 Teaching Excellence Award Recipient) – Rhodes State College (retired), Lima, OH

8:40 AM - 8:55 AM MI, TC, RG
Room: Galleria 3

T3C: Chip Fabrication and AI
Is chip fabrication your thing? Whether it is or not, join to discover what mathematical concepts a technician needs in order to produce those marvelous devices. This talk will present you with a challenge in the form of a realistic scenario written in part by an artificial intelligence!
Presenter:
Paul Horwitz – The Concord Consortium (retired), Concord, CT

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Revised: November 2024

9:00 AM - 9:15 AM TC, RG, ST
Room: Galleria 3

T3D: Modeling Vaccine Production Using Statistics and Dimensional Analysis
As part of the vaccine production process, we begin by investigating which of several potential virus strains are significantly more effective than a control strain. Next, we determine which of these strains should be used to maximize virus yield. A classroom-ready statistics activity will be shared.
Presenter:
Ryan Pescosolido (2016 Project ACCCESS Fellow) – Wake Technical CC, Raleigh, NC

9:20 AM - 9:35 AM MI, TC, RG
Room: Galleria 3

T3E: Road Drainage: Stormwater Inlet Design
Proper placement and quantity of drain inlets impacts road safety. Land cover types for a given area can be identified to determine the weighted runoff coefficient. Using a given roadway design spread, per inlet flow rate can then be calculated along with the number of inlets (classroom ready activities provided).
Presenter:
Wendy Johnson – Wake Technical CC, Raleigh, NC

9:40 AM - 9:55 AM MI, TC, RG
Room: Galleria 3

T3F: Horizontal and Vertical Curves of Roadway Design at NC DOT
What do quadratic functions and roadway design have in common? Come learn the mathematics behind what you experience everyday behind the wheel. Classroom ready activities for Precalculus will be distributed.
Presenter:
Jay Martin – Wake Technical CC, Raleigh, NC

Student Success Strategies for Corequisite and Developmental Courses

Sponsored by the Developmental Mathematics ANet
Kim Granger, Chair

8:00 AM - 8:15 AM SM
Room: Galleria 4

T4A: Top 10 Do's and Don'ts for Corequisite Success
Every college it seems is implementing corequisite courses. Research and best practice documents are everywhere. But what are the most important things a college should do or avoid to make their corequisite math courses work? Attendees will learn tips collected from dozens of implementations and one dissertation!
Presenter:
Kathleen Almy – Rock Valley College, Rockford, IL

8:20 AM - 8:35 AM SM
Room: Galleria 4

T4B: Laying a Firm Foundation With Corequisites
Make sure students are standing on solid ground when they enter and move through corequisite courses. Scaffolding material is a cornerstone to the program to make sure they have the solid foundation needed for success.
Presenter:
Dayna Ford – Grayson College, Denison, TX

8:40 AM - 8:55 AM SM
Room: Galleria 4

T4C: Student Success Strategy: Embedded Tutors
St. Louis CC is using embedded tutors to increase student success in corequisite courses that have implemented active learning strategies. The tutors not only assist with the in-class activities, but also work with students outside of class. This presentation will outline the embedded tutoring program at St. Louis CC.
Presenters:
Aletta Speegle – St. Louis CC, Meramec, St. Louis, MO
Asma Zangana (2022 Project ACCCESS Fellow) – St. Louis CC, Forest Park, St. Louis, MO

Created: August 2024
Revised: November 2024

9:00 AM - 9:15 AM SM
Room: Galleria 4

T4D: Peer Mentors in Developmental Mathematics and Corequisite Courses
In this talk, presenters will address how a peer mentor can be effective in developmental math and corequisite math courses. The peer mentor program director as well as a peer mentor will be present to discuss methods and approaches to peer mentoring, including results from peer mentored courses vs. non-peer mentored courses.
Presenters:
Ben Moulton - Utah Valley Univ, Orem, UT
Hannah Oldroyd - Utah Valley Univ, Orem, UT

9:20 AM - 9:35 AM SM
Room: Galleria 4

T4E: How to Get Your Students Active in College Algebra
A quick look at how a community college instructor has used a modified flipped classroom approach to increase the opportunities for active learning strategies in a college algebra corequisite course.
Presenter:
Tina Ragsdale - West Kentucky CTC, Paducah, KY

9:40 AM - 9:55 AM SM
Room: Galleria 4

T4F: Incorporating Math Study Skills and Mindset Into Your Math Class
Math-specific study skills and mindsets are essential in helping students learn to succeed in math courses, including co-requisites. This presentation shows how you can easily bring these skills into your classroom without losing precious class time.
Presenter:
Jessica Bernards (2012 Project ACCCESS Fellow) - Portland CC, Portland, OR

Reimagining the World as It Could Be – An Equity Lens

Sponsored by the Equity ANet
Ben Aschenbrenner, Chair

8:00 AM - 8:15 AM EQ, SM
Room: Galleria 5

T5A: Boomers, Xs, Millennials, Zs, and Alphas – Oh My!
Can you envision a math department that uplifts the best qualities of intergenerational faculty members to best serve intergenerational community college students. Presenters will explore the characteristics that define the generations and reimagine how these can create a dynamic and impactful math department.
Presenter:
Laurie Keatts - Catawba Valley CC, Hickory, NC

8:20 AM - 8:35 AM EQ, SM
Room: Galleria 5

T5B: The Little Bang Theory: How to Move Beyond Stereotypes to Serve Neurodiverse Learners
Neurodiversity: an umbrella term describing people who think, learn, and experience life differently, including those on the Autism spectrum, those with ADD/ADHD, and the academically gifted. Current structures and practices were built for neurotypical students. What might it look like to design classrooms and lessons for all students?
Presenter:
Miriam Harris-Botzum - Lehigh Carbon CC, Schnecksville, PA

8:40 AM - 8:55 AM EQ, PS, SM
Room: Galleria 5

T5C: Are Corequisites Equitable?
This session explores equity in corequisite courses in terms of access, support, and completion.
Presenter:
Helen Burn - Highline College, Des Moines, WA

Created: August 2024
Revised: November 2024

9:00 AM - 9:15 AM EQ, PS, SM
Room: Galleria 5

T5D: Quantitative Reasoning: It's Not Quite Right...Yet
College level mathematics has expanded to include quantitative reasoning in most colleges, including many in which it has become the primary math course for incoming students. What could the next round of innovations look like?
Presenter:
Ben Aschenbrenner - National Louis Univ, Chicago, IL

9:20 AM - 9:35 AM EQ
Room: Galleria 5

T5E: Dear 2074 Board of AMATYC
The structure of the AMATYC Board has worked great for the past 50 years. But should faculty now be bored of the board structure? Come reimagine and envision what structures are possible as AMATYC evolves in the next 50 years."
Presenter:
Luke Walsh - Catawba Valley CC, Hickory, NC

9:40 AM - 9:55 AM EQ
Room: Galleria 5

T5F: What Was Learned?
This talk reflects on all that attendees have heard in the themed session presentations. There will be time to connect with others in small groups to further the conversation and deepen thinking about what is possible!
Presenter:
Li Westman - Metropolitan CC, Omaha, NE

10:20 AM

10:20 AM - 11:10 AM IG, MI
Room: Galleria 1

S002: Linking Math to Real World via Interdisciplinary Projects
This presentation showcases how non-selective institution students tackle real-world problems through interdisciplinary projects with local businesses and agencies. It highlights the benefits, successes, and challenges of mentoring student teams, demonstrating how such collaborations empower students to apply classroom knowledge in authentic settings.
Presenter:
Vinodh Kumar Chellamuthu (2017 Project ACCCESS Fellow) - Utah Tech Univ, St. George, UT
Presider: Michael Sullivan - Florida SouthWestern State College, Fort Myers, FL

10:20 AM - 11:10 AM MI, TL
Room: Galleria 2

S003: Using Robots to Engage Students in Active Learning
Experience activities created using robots that engage students in active learning and help students visualize foundational concepts for College Algebra, Trigonometry and Calculus. Demonstratrations how to use these problem-solving activities, student feedback, and materials will be shared.
Presenters:
Kerri Bentjen - Sinclair College, Dayton, OH
Kinga Oliver - Sinclair College, Dayton, OH
Robert Chaney - Sinclair College, Dayton, OH
Presider: April Ström - Chandler-Gilbert CC, Chandler, AZ

Created: August 2024
Revised: November 2024

10:20 AM - 11:10 AM IG, SM
Room: Galleria 3

S004: Three-Act Tasks to the Rescue
Three-Act Tasks epitomize true mathematical problem-solving in an engaging and media-rich way. The tasks spark curiosity (Act 1), jumpstart students into problem-solving mode (Act 2), and then reveal one of several possible solutions (Act 3). Come engage in some Three-Act Tasks and see how to transform your classroom!
Presenters:
Keith Nabb – Piedmont Virginia CC, Charlottesville, VA
Xianwei Van Harpen – Univ of Wisconsin - Milwaukee, Milwaukee, WI
Presider: Johanna Debrecht – Red Rocks CC, Lakewood, CO

10:20 AM - 11:10 AM PS, SM
Room: Galleria 4

S005: A Unique Placement Process for Foundational Math is On My Mind
Students now take ownership and increase pass rates in Foundational Math by using an innovative, multiple-measures placement process and choosing a 1-3 semester mastery-based course. Learn how one college used data-driven decisions to adopt this unique placement process. In this interactive discussion and presentation, try it out for yourself.
Presenters:
Rachel Marcial (2017 Project ACCCESS Fellow) – Salt Lake CC, Salt Lake City, UT
Elizabeth Nehring – Salt Lake CC, Salt Lake City, UT
Presider: Rachel Frankel – Univ of Cincinnati, Blue Ash College, Blue Ash, OH

10:20 AM - 11:10 AM IG, MI
Room: Galleria 5

S006: Math is Boring? Turn Boring into FUN with Math Puzzles
Yawns, frequently checking the time, faces buried in digital devices – it's not hard to tell when students find math boring. However, math can be fun for everyone with fascinating puzzles involving various levels of mathematics - including Python programming! Come check them out and turn your students' boredom into stimulation!
Presenter:
George Soliman – Raritan Valley CC, Branchburg, NJ
Presider: Sean Saunders – Sheridan College, Brampton, ON

10:20 AM - 11:10 AM MI, PS, TL
Room: Galleria 6

S007: Maximizing Student Engagement in Online Precalculus Courses
The presenters will discuss how they incorporated active learning into their traditional precalculus courses. They created course activities to promote student engagement and collaboration which were later adapted for online courses. Based on the data collected in this study, active learning promotes a deeper understanding and positive attitude towards mathematics.
Presenters:
Rabia Shahbaz – Georgia Gwinnett College, Lawrenceville, GA
Ekaterina Nathanson – Georgia Gwinnett College, Lawrenceville, GA
Jamye Curry Savage – Georgia Gwinnett College, Lawrenceville, GA
Sarah Park – Georgia Gwinnett College, Lawrenceville, GA
Presider: Pat Riley – Hopkinsville CC, Hopkinsville, KY

10:20 AM - 11:10 AM SM
Room: Galleria 7

S008: Centering Belongingness in Undergraduate Math Course Design
The coordinators of a multi-section intermediate algebra course at a large state institution were tasked with redesigning the course to improve student success and retention. This presentation will celebrate their success story by sharing assignments and teaching strategies that promote student engagement and students' sense of belonging.
Presenters:
Josh Karr – West Virginia Univ, Morgantown, WV
Lori Ogden – West Virginia Univ, Morgantown, WV
Presider: Erin Goodykoontz – West Virginia Univ, Morgantown, WV

Created: August 2024
Revised: November 2024

10:20 AM - 11:10 AM RG
Room: 212/213

S009: AMATYC Grant Series: NSF Funding Opportunities 2YC Math Faculty
Learn about NSF programs and funding opportunities in the Division of Undergraduate Education for mathematics faculty at two-year colleges. Featured NSF Programs include Improving Undergraduate STEM Education (EDU, ITYC, HSI), Scholarships in STEM, Advanced Technological Education, and Robert Noyce Teacher Scholarship Program. You are welcome to join the conversation.
Presenter:
Patrice Waller - National Science Foundation, Alexandria, VA
Presider: Megan Breit-Goodwin - Anoka-Ramsey CC, Coon Rapids, MN

10:20 AM - 11:10 AM PD, SM
Room: 204/205

S010: Facets and Phases of Holistic Mentoring at Two-Year Institutions
This session will present an overview of research-based, holistic approaches to inclusive mentoring for community college with an emphasis on STEM faculty perspectives. By analyzing case studies and recommendations, participants will strengthen their mentoring skills and align their teaching philosophies toward a vision of holistic mentoring.
Presenters:
Benjamin Flores - Univ of Texas at El Paso, El Paso, TX
Sara Rodriguez - Univ of Texas at El Paso, El Paso, TX
Jose Maldonado - El Paso CC, El Paso, TX
Presider: Christine Mirbaha - CC of Baltimore County, Baltimore, MD

10:20 AM - 11:10 AM MN
Room: 210/211

S011: Empowering Adult Numeracy: Effective Strategies
This presentation will discuss numeracy instruction to adult learners. Participants will define numeracy, exploring its nuances for adult learners. By emphasizing the significance of context, and distinguishing between real problems and realistic problem-solving, adult education can be enriched for vibrant learning experiences and tangible results.
Presenter:
Roxanne Brinkerhoff - Utah Valley Univ, Orem, UT
Presider: Ben Moulton - Utah Valley Univ, Orem, UT

11:30 AM

11:30 AM - 11:55 AM SM, TL
Room: Galleria 1

S012A: Use ChatGPT to Assess in Standard and Non-Traditional Ways
How can ChatGPT be used as a tool? This presentation will demonstrate several different ways the presenter used to create all types of assessments using ChatGPT. Examples will be posted online and after the talk, a discussion will follow during this session.
Presenter:
Rob Eby (2005 Project ACCCESS Fellow) - Blinn College, RELLIS Campus, Bryan, TX
Presider: Natalia Postrigan - Pace Univ, New York, NY

11:30 AM - 11:55 AM SM
Room: Galleria 3

S014A: Battling Math Anxiety With Projects
A discussion of techniques to battle math anxiety in the classroom by moving from testing to project based approaches where appropriate. The presenters aim to show how unit projects have allowed students to take ownership of their learning by allowing them to explore what they want to know more about.
Presenters:
Katey Ellis (2019 Project ACCCESS Fellow) - Aims CC, Greeley, CO
Marki Allegar - Aims CC, Greeley, CO
Marcus Painter - Aims CC, Greeley, CO
Presider: Ben Moulton - Utah Valley Univ, Orem, UT

11:30 AM - 11:55 AM MI, TL
Room: Galleria 4

S015A: Balancing Rigor and Technology in a Project-Based Linear Algebra Class
The balance between proof-based and project-based Linear Algebra is key to teaching the course. Project examples based on the new Linear Algebra Curriculum Study Group (LACSG 2.0, 2022) recommendations will be presented and recommendations will be discussed.
Presenter:
Ahmed Rashed - Dallas College, Dallas, TX
Presider: Ingrid Scott - Montgomery College, Rockville, MD

Created: August 2024
Revised: November 2024

11:30 AM - 11:55 AM PS, SM
Room: Galleria 5

S016A: Keep Students Thinking Math - Passing Out Those Curricular Tasks
Are you using the practices from Building Thinking Classrooms? Having trouble getting those tasks passed out to your student groups? Here are a few ideas to get that done and keep them thinking math and we can share more ideas among ourselves.
Presenter:
Kari Arnoldsen – Snow College, Ephraim, UT
Presider: Joni Pirnot – State College of Florida, Bradenton, FL

11:30 AM - 11:55 AM MN, PS, SM
Room: Galleria 6

S017A: A Non-Traditional Math Pathway
Quantitative Reasoning has been created to provide an alternate pathway for students who do not need a traditional college algebra course. Project ideas and topics included in the course will be shared. This presentation will encourage participants to share ideas and activities used in their courses.
Presenter:
Kimberly Walters – Mississippi State Univ, Starkville, MS
Presider: Scot Pruyn – Clackamas CC, Oregon City, OR

11:30 AM - 11:55 AM SM
Room: Galleria 7

S018A: What's Up With Quizzes?
Update your quizzes with these effective strategies that are easy to implement. Topics will include types of quizzes (paper/pencil, clicker, extra credit, group), best days and times, makeup policies, and accessibility issues. Student feedback on these methods will be shared and audience participation is encouraged.
Presenters:
Rachel Frankel – Univ of Cincinnati, Blue Ash College, Blue Ash, OH
Karen Smith – Univ of Cincinnati, Blue Ash College, Blue Ash, OH
Presider: Prudence York-Hammons – Temple College, Temple, TX

11:30 AM - 11:55 AM MN, SM
Room: 208/209

S019A: Math Mentors On My Mind
The presenters, a teacher and a student, will discuss their experiences in respect to having a math mentor in the classroom. They will provide evidence of the program's success and present ways to include a math mentor in their classroom.
Presenters:
Hannah Oldroyd – Utah Valley Univ, Orem, UT
Lindsey Gerber – Utah Valley Univ, Orem, UT
Presider: Jackie Murawska – Skokie - Morton Grove School District 69, Skokie, IL

11:30 AM - 11:55 AM SM, TL
Room: 212/213

S021A: Out of Sight But Not Out of Mind: Tips for an Engaging Online Course
This session will provide tips and techniques for teaching a successful and engaging online math course. One of the important online engagement tools is the discussion forum, but it can be challenging to create meaningful discussions in mathematics. Examples of successful math discussions will be shared.
Presenter:
Chana Epstein – SUNY Sullivan, Loch Sheldrake, NY
Presider: Roxanne Brinkerhoff – Utah Valley Univ, Orem, UT

11:30 AM - 12:20 PM
Room: 203

C3: Hawkes Learning
Extend Your Impact and Elevate Student Learning with AI
Explore the role of AI in higher education and how tools like AI Tutor provide instant, personalized support and boost engagement in a distraction-free secure learning environment. By building student confidence and supporting diverse educational needs, educators can uncover the potential of AI to empower students to succeed in an evolving educational landscape. Win a $25 gift card!
Presenter:
Sydney Smith – Hawkes Learning, Mt Pleasant, SC

Created: August 2024
Revised: November 2024

12:00 PM

12:00 PM - 12:25 PM TL
Room: Galleria 1

S012B: Countering AI Math Apps With Creativity
Artificial Intelligence is on the rise and the math apps available are becoming "smarter." This presentation will share a variety of ways that instructors can "trick" the math apps into incorrectly solving problems - or prevent them from solving the problems at all. Leave with new ideas to share with your colleagues!
Presenter:
Dan Van der Vieren (2023 Project ACCCESS Fellow) - Aims CC, Greeley, CO
Presider: Natalia Postrigan - Pace Univ, New York, NY

12:00 PM - 12:25 PM PS
Room: Galleria 2

S013B: Pathways on My Mind: Creating Tracks to Facilitate Student Transfers
In this session, the presenter discusses experiences in developing STEM Associate in Science tracks that are aligned with the prerequisites of the most common university transfer locations to one's institution. Strategies are discussed for identifying courses which should be included to both satisfy bachelor degree prerequisites and state general education mandates.
Presenter:
Meghan Carlson (2022 Project ACCCESS Fellow) - Florida SouthWestern State College, Fort Myers, FL
Presider: Anthony Tavares - Sheridan College, Brampton, ON

12:00 PM - 12:25 PM SM
Room: Galleria 3

S014B: The Impact of First Test Success on Student Outcomes
This session will present the results of division-wide research on first test success in freshman level math courses. Attendees will take away ideas for evidence-based practices that support student learning and success in the early weeks of the term.
Presenters:
Malissa Trent - Northeast State CC, Blountville, TN
Dawn Dabney - Northeast State CC, Blountville, TN
Presider: Ben Moulton - Utah Valley Univ, Orem, UT

12:00 PM - 12:25 PM MI, SM, TL
Room: Galleria 4

S015B: Assessment of Students' Calculus Knowledge in the Age of Apps
With the development of technology and artificial intelligence, the traditional ways of assessing students' mathematics knowledge face a big challenge, especially under the circumstances of more online learning. This presentation will discuss how to assess students' calculus knowledge properly in the age of apps, with concrete detailed examples.
Presenter:
Hong Yuan - Borough of Manhattan CC, New York, NY
Presider: Ingrid Scott - Montgomery College, Rockville, MD

12:00 PM - 12:25 PM PS, SM
Room: Galleria 5

S016B: Peach Perfect Feedback
Have you ever written "Good Work!" or "Great Job!" on student work? This session will focus on developing more impactful feedback practices used to motivate each learner in the classroom. Presenters will share effective strategies for delivering effective critique and collecting valuable input.
Presenters:
Cindy Moore - Asheville-Buncombe Technical CC, Asheville, NC
Tammy Sullivan - Asheville-Buncombe Technical CC, Asheville, NC
Presider: Joni Pirnot - State College of Florida, Bradenton, FL

12:00 PM - 12:25 PM SM, ST
Room: Galleria 6

S017B: Active Learning for Undergraduate Statistics Courses
This presentation focuses on active learning through collaboration, problem-based learning, and participation within undergraduate statistics courses. An example of a statistics lesson on standard deviation with a large class of 40+ will be examined as students interacted in small groups while using statistical functions on spreadsheets or graphing calculators.
Presenter:
Michelle Rich - Weber State Univ, Ogden, UT
Presider: Scot Pruyn - Clackamas CC, Oregon City, OR

Created: August 2024
Revised: November 2024

12:00 PM - 12:25 PM MI
Room: Galleria 7

S018B: Restructured Precalculus: A Better Preparation for Calculus

Precalculus is traditionally taught as a functions-centered algebra course followed by trigonometry. This talk suggests restructuring precalculus by introducing trigonometry upfront and incorporating it throughout the course. This new structure makes firm connections between algebraic and trigonometric functions, and concepts to build a better understanding of calculus.

Presenters:

Monica Hennessy - Univ of Cincinnati, Blue Ash, Blue Ash, OH

Rachel Frankel - Univ of Cincinnati, Blue Ash, Blue Ash, OH

Presider: Prudence York-Hammons - Temple College, Temple, TX

12:00 PM - 12:25 PM SM
Room: 208/209

S019B: Promoting Student Success Through Connections

Creating opportunities for students to feel connected to their peers and the instructor can encourage student success with the course content throughout the semester. In this session, participants will learn small ways to create a sense of community with their students in any modality and share their best practices.

Presenter:

Sonia Petch - Collin College, McKinney, TX

Presider: Jackie Murawska - Skokie - Morton Grove School District 69, Skokie, IL

12:00 PM - 12:25 PM IG, MN
Room: 210/211

S020B: What Does an "Internationalized Curriculum" Look Like in Mathematics?

Comprehensive internationalization (CI) has been carried out at many institutions and one critical part of CI is to internationalize curriculum. However, what is an internationalized mathematics curriculum? Both the theory and the practice on this challenge will be presented along with some examples from Liberal Arts Mathematics.

Presenter:

Saburo Matsumoto - College of the Canyons, Santa Clarita, CA

Presider: Jay Martin - Wake Technical CC, Raleigh, NC

12:00 PM - 12:25 PM SM, TL
Room: 212/213

S021B: 50÷5 Active Learning Strategies to Keep Mathematics on Students' Minds

This session offers a collection of intentionally used active learning strategies that are designed to engage students in the learning process with the intent to expand their knowledge by thinking, discussing, investigating, and creating. These strategies are intended for use in the online classroom as well as face-to-face.

Presenter:

Veon Stewart - AdventHealth Univ, Orlando, FL

Presider: Roxanne Brinkerhoff - Utah Valley Univ, Orem, UT

Created: August 2024
Revised: November 2024

12:40 PM

12:40 PM - 1:30 PM PD, SM
Room: Galleria 1

S022: Self-Efficacy, Regulation & Anxiety: Research & Classroom Solutions
Students are exhibiting issues in learning problems, anxiety, skills, and mental health. This session discusses anxiety, self-efficacy, self-regulation, ownership, and study skills research along with classroom, and co-requisite solutions to increase student success through mastery, social, physiological, vicarious areas of self-efficacy. Concluding with self-regulation. study skills and anxiety reduction strategies.
Presenters:
Linda Zientek (2024 Mathematics Leadership Excellence Award Recipient) - Sam Houston State Univ, Huntsville, TX
Paul Nolting - State College of Florida (emeriti), Bradenton, FL
Presider: Geillan Aly - City Univ of New York, New York, NY

12:40 PM - 1:30 PM SM, TL
Room: Galleria 3

S023: Increasing Pass Rates in Online Classes with a Few Structural Changes
Over the past two years, pass rates in an online College Algebra course have increased by 20%. Starting with a well-structured format, changes include replacing recorded video lectures with live Zoom lessons, requiring lecture notes, and shortening homework assignments, while still allowing students to participate at any time they choose.
Presenter:
Ruth Trygstad - Salt Lake CC, Salt Lake City, UT
Presider: Jason Farrington - Paradise Valley CC, Phoenix, AZ

12:40 PM - 1:30 PM TL
Room: Galleria 4

S024: To AI or Not to AI...That is the Question
With the emergence of AI, how can faculty use this new technology to leverage student learning while maintaining the integrity of submitted assessments by students. This interactive presentation will provide participants with techniques to do just that as well as collaborate with colleagues with their strategies.
Presenter:
Evan Evans (2007 Project ACCCESS Fellow) - Frederick CC, Frederick, MD
Presider: Carrie Lineberry - Randolph CC, Asheboro, NC

12:40 PM - 1:30 PM ST
Room: Galleria 5

S025: Creating a Data Science Transfer Program at Your College
This session will present the process to create a transfer data science degree at a two-year college. This presentation will address the topics that the presenters explored during the workshop they hosted over the summer. Additionally, they will address plans for additional training.
Presenters:
Kathryn Kozak - Coconino CC, Flagstaff, AZ
Vinodh Kumar Chellamuthu (2017 Project ACCCESS Fellow) - Utah Tech Univ, St. George, UT
Ambika Silva - College of the Canyons, Santa Clarita, CA
Rebecca Wong - West Valley College, Saratoga, CA

12:40 PM - 1:30 PM IG
Room: Galleria 6

S026: Bring Your Own Book: Books That Have Inspired Our Teaching
This talk will discuss amazing books that inspire teaching - mathematics and in general. The presenters want to share their favorites and learn what books have impacted you! Please join for a book club discussion and share influential books. Walk away with a new reading list!
Presenters:
Barbie Hoag - Oakland CC, Auburn Hills, MI
Elizabeth Carrico - Illinois Central College, East Peoria, IL
Presider: Benjamin Flores - Univ of Texas at El Paso, El Paso, TX

Created: August 2024
Revised: November 2024

12:40 PM - 1:30 PM EQ, IG, SM
Room: 204/205

S028: Let's Talk About Culture: Build Relevance Through Competence

Culturally relevant instruction increases student achievement and promotes sense of belonging. But how do you learn about your students in ways that help you provide culturally relevant instruction? Come to this session to discuss strategies for building cultural awareness, competence, and use your learnings to increase relevance in instruction.

Presenter:

Katey Arrington – NCSM: Leadership in Mathematics Education, Austin, TX

Presider: Barbara Coleman-Foster – Seminole State College of Florida, Sanford, FL

12:40 PM - 1:30 PM PD, PS
Room: 212/213

S030: Thinking About Offering Algebraic Literacy? You Are Not Alone!

For many years, Intermediate Algebra served as the standard for access to college-level math for STEM and non-STEM students. With the continuing growth of Math Literacy and the rise of corequisites, we have the opportunity to rethink Intermediate Algebra and consider Algebraic Literacy.

Presenter:

Brian Mercer – Parkland College, Champaign, IL

Presider: Don Ransford – Florida SouthWestern State College, Fort Myers, FL

12:40 PM - 1:30 PM
Room: 210/211

C5: MathGPT

MathGPT: AI-Powered Tutoring & Teaching that Students Love and Instructors Trust

MathGPT is excited to launch 2.0! MathGPT is pioneering the first AI-powered Teaching and Learning App designed to amplify the capacities of college math instructors. Purpose-built for mathematics, our always-ready AI tutor provides conversational coaching through any problem, accelerating comprehension and learning.
In the session, MathGPT team will go over product offerings, as well as new features and benefits. MathGPT is a trusted AI tutor used by hundreds of faculty across the nation.

Presenters:

Edsel Clark – MathGPT, Parker, CO
Adrienne Baldwin – Chattahoochee Technical College, Atlanta, GA
Samira Agarwal – MathGPT, San Francisco, CA

12:40 PM - 2:40 PM MI, TL
Room: Galleria 2

W01: Learning Activities for Calculus Using 3D-Printed Surfaces

Come experience small-group, active learning activities using 3D-printed surfaces to explore Shell and Washer methods, contour plots, partial derivatives, Lagrange multiplier constrained optimization, and double/triple integrals in multiple coordinate systems. PDFs and STL files for 3D-printing are provided so you can use the activities with your own classes!

Presenters:

Paul Seeburger – Monroe CC, Rochester, NY
Johanna Debrecht – Red Rocks CC, Lakewood, CO
Presider: Kayla Blyman – St. Martin's Univ, Lacey, WA

Created: August 2024
Revised: November 2024

1:50 PM

1:50 PM - 2:40 PM SM
Room: Galleria 1

S031: Launching and Landing Tasks Using Building Thinking Classrooms

As we consider ways to increase student engagement in mathematics, focusing on launching and landing tasks can elevate students' motivation to collaborate and critically think. Using the Building Thinking Classrooms practices, this presentation will explore ways to launch and land (mathematically, speaking!) tasks to support student thinking.

Presenter:

April Ström - Chandler-Gilbert CC, Chandler, AZ

Presider: Scott Adamson - Chandler-Gilbert CC, Chandler, AZ

1:50 PM - 2:40 PM IG
Room: Galleria 3

S032: Connecting the Dots: Getting Math Back on Your Students' Minds!

What do colouring books, sweet tea, stolen necklaces, meteorology, and deli sandwiches all have in common? The answer is math, but not what might be expected! Come explore the creative and curious connections between some old sweet mathematical results, which may inspire your students to keep math on their minds!

Presenter:

Sean Saunders - Sheridan College, Brampton, ON

Presider: Kelly Spoon - San Diego Mesa College, San Diego, CA

1:50 PM - 2:40 PM MN, TL
Room: Galleria 4

S033: Teach Math in Order to Teach Bigger Ideas in Math and Life

Join the journey to restore mathematics as a missing gem in the crown of liberal arts education. Explore abstraction and application, using computation and technology to discover truth, beauty, and infinity. Cultivate holistic learning to build a better world, not just find a better job. Please bring your technology.

Presenter:

Rick Powers - Western Technical College, La Crosse, WI

Presider: George Alexander - Madison Area Technical College, Madison, WI

1:50 PM - 2:40 PM ST
Room: Galleria 5

S034: Multivariate Thinking in Introductory Statistics

The most recent Guidelines for Assessment and Instruction in Statistics Education (GAISE) recommends that the introductory statistics course give students experience with multivariable thinking. This session will focus on examples that may be utilized to develop multivariable thinking in your students. Bring a device that allows for statistical analysis.

Presenter:

Michael Sullivan - Florida SouthWestern State College, Fort Meyers, FL

Presider: Mari Menard - Lone Star College-Kingwood, Kingwood, TX

1:50 PM - 2:40 PM TL
Room: Galleria 6

S035: Using AI to Improve Teaching and Learning in College Mathematics

This presentation will demonstrate how instructors can use AI to help students understand concepts. Strategies include checking answers, comparing strategies, generating questions, and identifying and analyzing AI errors. Additionally, prompting "explain in simpler terms, create an example, and what does this mean in context" can help students deepen understanding.

Presenter:

Robert (Bob) Cappetta (2017 Teaching Excellence Award Recipient) - Florida SouthWestern State College, Fort Myers, FL

Presider: Ahmed Rashed - Dallas College, Dallas, TX

1:50 PM - 2:40 PM EQ, SM
Room: Galleria 7

S036: Discussion: Neurodiversity in the Community College Classroom

Data indicates that more neurodiverse students are attending CCs than in the past. This presents both an opportunity and challenges. Participants in this session are asked to share their suggestions and/or challenges regarding pedagogy, assessment, and classroom management.

Presenter:

Miriam Harris-Botzum - Lehigh Carbon CC, Schnecksville, PA

Presider: Holly Bass - AB Technical CC, Asheville, NC

Created: August 2024
Revised: November 2024

1:50 PM - 2:40 PM PD
Room: Crystal Ballroom

S037: Affiliate Sharing Session
Guided by affiliate presidents, affiliate members will share ideas and best practices such as conference planning, strengthening and growing the membership in an affiliate, student and faculty awards, dealing with state policies or mandates, and technologies used. Invite others with you to discuss exciting things your affiliate is involved in!
Presenter:
James McCoy (2013 Project ACCCESS Fellow) - Chattanooga State CC, Chattanooga, TN

1:50 PM - 2:40 PM SM
Room: 204/205

S038: Daring to Engage College Students Without Causing Anxiety
Are you looking for a way to include more students in your discussions without causing anxiety? This presentation will discuss a method for increasing student participation in your class in an anxiety-free manner. You will quickly build trust with your students and they will be actively engaging in classroom discussions.
Presenter:
Tracy Jackson - Tulsa CC, Tulsa, OK
Presider: Malissa Trent - Northeast State CC, Blountville, TN

1:50 PM - 2:40 PM RG
Room: 208/209

S039: RMETYC Sharing Session
The Research in Mathematics Education for Two-Year Colleges community invites you to share experiences, resources, successes, and challenges in an informal discussion. Hear how colleagues are conducting studies, about current projects underway, and from others getting started in research. Bring your questions and experiences to share.
Presenter:
Frank Marfai - Phoenix College, Phoenix, AZ

1:50 PM - 2:40 PM MN, SM
Room: 212/213

S040: 50 Tips to Running a Project-Based Course
Students in non-STEM courses often prefer projects to tests, and engaging in projects often gives students an appreciation for mathematics! Come experience and discuss ways that projects can be used to motivate students without overly taxing your time and ability to fairly assess the work that students do.
Presenter:
Joni Pirnot - State College of Florida, Bradenton, FL
Presider: Kari Arnoldsen - Snow College, Ephraim, UT

1:50 PM - 2:40 PM
Room: 210/211

C6: XYZ Homework
XYZ Homework: Supporting OER with the latest features and courses from developmental math to Calculus and beyond
XYZ Homework makes OER easier to use. Come see how XYZ Homework team can support your OER courses, including Print, custom eBook, and custom assignments. We are more than "MyOpenMath with Support" and come to see new features that can help with large courses management.
Presenter:
Patrick McKeague - XYZ Homework, San Luis Obispo, CA

Created: August 2024
Revised: November 2024

3:00 PM

3:00 PM - 4:30 PM IG
Room: Grand Ballroom

KEYNOTE: Meaningful Mathematics and Mathematical Meanings: What Do You Mean?
As mathematics professionals we love holding tight to mathematical definitions. Huzzah! With other meaningful things, though, we don't always work from shared meanings. In this light-hearted talk we'll dive into how developing shared understandings of both meaningful mathematics and mathematical meanings can work for the benefit of students.
Presenter:
Ted Coe – Coequal Mathematics, Scottsdale, AZ
Presider: George Hurlburt, AMATYC President

4:30 PM

4:30 PM - 7:00 PM
Room: Salon

Exhibit Hall Grand Opening
After Thursday's Opening Session, join us in the Salon / Exhibit Hall for the exciting Grand Opening of Exhibits! Explore the latest textbooks, videos, calculators, software, distance learning courseware, and much more. Meet the exhibitors and learn about their products.

7:00 PM - 9:50 PM

7:00 PM - 9:50 PM RG
Room: 204/205

R: Research Session 2024
Join colleagues to learn about current research on the teaching and learning of mathematics and statistics in the first two years of college. The evening begins with a keynote address by Dr. Kevin C. Moore from University of Georgia, followed by three concurrent sessions focused on findings from exciting research projects.
Presenter:
Frank Marfai – Phoenix College, Phoenix, AZ

7:00 PM - 7:50 PM RG, IG, SM
Room: 204/205

R1: A Need for Mathematical Clarity
This year's conference theme is "Mathematics on My Mind." This presentation will discuss a perspective on mathematical reasoning that calls to question the extent to which goals for instruction are mathematical. In doing so, the presenter hopes to clarify the mathematics faculty want on students' minds.
Presenter:
Kevin Moore – Univ of Georgia, Athens, GA
Presider: Frank Marfai – Phoenix College, Phoenix, AZ

8:00 PM - 8:30 PM RG, EQ, PS
Room: 204/205

R2: Validating the Algebra Concept Inventory
In this session, presenters discuss the creation and validation of an algebra concept inventory for college students and describe how items were administered, revised, and tested for validity and reliability. Results suggest that algebraic conceptual understanding is a measurable construct, and that the instrument has reasonable validity and reliability. Analysis is ongoing.
Presenter:
Geillan Aly – The City University of New York (CUNY), New York, NY
Presider: April Ström – Chandler-Gilbert CC, Chandler, AZ

8:00 PM - 8:30 PM RG, ST, SM
Room: 208/209

R3: Investigating Social and Academic Integration on Two-Year College Student Success
Social and academic integration are factors that influence student success. The focus of this study was to synthesize the literature to investigate how social and academic integration impact student success for two-year college students. The results suggest that, overall, social and academic integration have small, similar, impacts on student success.
Presenter:
Ashley Majzun – Lone Star College-Montgomery, Conroe, TX
Presider: Megan Breit-Goodwin – Anoka-Ramsey CC, Coon Rapids, MN

Created: August 2024
Revised: November 2024

8:00 PM - 8:30 PM RG, MI, TL
Room: 210/211

R4: Optimization Problems in Calculus: Effective Instructional Approaches

This qualitative study reports on the views of 11 experts (mathematics professors) regarding effective instructional approaches and technologies related to the teaching of optimization problems in Calculus I the United States. Implications for different stakeholders, including calculus instructors and textbook selection committees in mathematics departments, are discussed.

Presenter:

Peter Mkhatshwa - Miami Univ-Middletown, Middletown, OH

Presider: Jason Farrington - Paradise Valley CC, Phoenix, AZ

8:40 PM - 9:10 PM RG
Room: 204/205

R5: Validation Analysis of Mathematical Knowledge for Teaching College Algebra

In this session, findings from a validation analysis of the Mathematical Knowledge for Teaching Community College Algebra (MKT-CCA) instrument will be shared. Presenters will describe the cognitive interviews with community college faculty, including the methods for analyzing the data and connecting participants' responses to the framework of teacher knowledge.

Presenters:

Irene Duranczyk - Univ of Minnesota, St. Paul, MN
Mary Beisiegel - Oregon State Univ, Corvallis, OR

Presider: Ann Sitomer - Oregon State Univ, Corvallis, OR

8:40 PM - 9:10 PM RG, PS, TL
Room: 208/209

R6: Innovative Teaching and Learning Using Digital Technology Tools

This research explores the impact of integrating Desmos and real-life scenarios on students' understanding of trigonometric functions. Utilizing pre-class videos, in-class Desmos activities, and continuous graph manipulation as an approach that enhances engagement and visual comprehension. Formative assessments reveal improved proficiency, with higher scores compared to traditional methods, contributing valuable insights for inclusive and enjoyable learning experiences.

Presenter:

Lucie Mingla - LaGuardia CC (CUNY), Queens, NY

Presider: Ajai Simmons - Lone Star College-Univ Park, Houston, TX

9:20 PM - 9:50 PM RG
Room: 204/205

R8: Insights from Exponential Functions Activities in a Community College

Findings from learning activities provided by instructors along with the interviews conducted with 10 full-time College Algebra instructors from community colleges in the Midwest will be presented. Research insights about planning lessons for exponential functions in community colleges that were gathered from these instructors will be shared.

Presenter:

Dexter Lim - Univ of Minnesota, Minneapolis, MN

Presider: April Ström - Chandler-Gilbert CC, Chandler, AZ

9:20 PM - 9:50 PM RG, ST, TC
Room: 210/211

R9: Infusing Data Science: Frameworks and Application

Data science frameworks were used to develop the DIFUSE modules and create lesson plans. Students completed a pre-survey prior to any instruction related to multiple quantitative variables. Both the pre- and post-survey questions aimed to understand their knowledge, perceptions, attitudes, and skills. Based on classroom discussions, work completed, and survey results, select students were interviewed. In this preliminary research report, we share the results of our analysis.

Presenters:

Sheri Johnson - Essential Analysis Solutions, Atlanta, GA
Merve Kursav - Dartmouth College, Hanover, NH

Presider: Melanie Eddins-Spencer - Prairie State College, Chicago Heights, IL

Created: August 2024
Revised: November 2024

8:00 AM

8:00 AM - 8:50 AM
Room: 204/205

Special Event: AMATYC Past President Panel
Join this special event to celebrate 50 years of AMATYC history. Nancy Sattler will moderate this panel of former AMATYC presidents as they reflect on significant moments during their time leading AMATYC. Get excited about AMATYC's future as they share their hopes and visions for the next 50 years!
Moderator:
Nancy Sattler - Terra CC and Walden Univ, Fremont, OH

8:00 AM - 8:50 AM MI, SM
Room: Galleria 1

S041: Is Writing Effective for Learning Precalculus?
Interested in integrating writing in math coursework? This session is for you! Discover findings and insights from a qualitative case study examining a Writing-Intensive Precalculus course. Explore various writing activities, their impact on student performance, student perceptions regarding the value of writing activities, and implications for integrating writing in mathematics.
Presenter:
Jessica Hoppe (2015 Project ACCCESS Fellow) - Spokane Falls CC, Spokane, WA
Presider: Heather Luman - CC of Baltimore County, Catonsville, MD

8:00 AM - 8:50 AM ST
Room: Galleria 3

S042: The Big Picture: A Ladder To Data Science Within an Intro Stats Course
Introducing elements of data science into an introductory statistics curriculum can help students bridge the gap between statistical theory and practical applications in data analysis. Students need to discuss the interdisciplinary nature of data science, which incorporates elements of statistics, computer science, and domain expertise.
Presenter:
Asli Mutlu - Wake Technical CC, Raleigh, NC
Presider: Veon Stewart - AdventHealth Univ, Orlando, FL

8:00 AM - 8:50 AM SM
Room: Galleria 4

S043: Guided Notes: A Pathway to Student Learning
Effective, precise, and methodical note-taking can significantly impact the success of college students, particularly in a mathematics course. This presentation will delve into the benefits of developing guided notes tailored for students in three applications-based non-STEM mathematics courses, demonstrating how they contribute to students' success in the curriculum.
Presenters:
Erin Goodykoontz - West Virginia Univ, Morgantown, WV
Cody Hood - West Virginia Univ, Morgantown, WV
Clark Metz - West Virginia Univ, Morgantown, WV
Presider: Laxmi Chataut - Harford CC, Bel Air, MD

8:00 AM - 8:50 AM SM
Room: Galleria 6

S044: Using Growth Mindset to Engage Students in Active Learning Classrooms
There are many signs strongly suggesting that students lack grit and perseverance needed to embrace the challenges associated with the rigors offered throughout mathematics. In this discussion participants will explore a growth mindset system that encourages students towards embracing healthy habits that bolster strong mindfulness and self-belief during active learning.
Presenters:
Kris Demarais - Indian River State College, Ft. Pierce, FL
Sarah Wyatt - Indian River State College, Ft. Pierce, FL
Presider: Tammi Perez-Rice - The Dana Center at the Univ of Texas at Austin, Austin, TX

Created: August 2024
Revised: November 2024

8:00 AM - 8:50 AM MI, RG, TC
Room: Galleria 7

S045: Connecting Industry to Mathematics Instruction

Industry inspired lessons will be demonstrated and explored by participants. STEM lessons include a Launch video, Teacher-Desmos introductory activity, a student sheet containing authentic industry tasks, and analysis questions that require critical thinking. Come experience how precalculus topics are applied in the workplace.

Presenters:

Jay Martin - Wake Technical CC, Raleigh, NC
Ryan Pescosolido (2016 Project ACCCESS Fellow) - Wake Technical CC, Raleigh, NC
Presider: Tina Ragsdale - West Kentucky CTC, Paducah, KY

8:00 AM - 8:50 AM PD, PS, SM
Room: Crystal Ballroom

S046: No More Winging It: Best Practices for Corequisite Instruction

Corequisite courses are common. When developed, attention is given to course logistics. However, what about the corequisite class period? Often, instructors are left to "wing it" and figure it out as they go. This session will provide corequisite best practices, including tools and tips that allow for flexibility and intentionality.

Presenter:

Kathleen Almy - Almy Education, Rockford, IL
Presider: Chris Oehrlein - Oklahoma City CC, Oklahoma City, OK

8:00 AM - 8:50 AM IG, MI
Room: 208/209

S047: Albert Einstein's Proof of the Pythagorean Theorem

As a boy, the physicist Albert Einstein formulated a very interesting proof of the Pythagorean Theorem. Einstein's proof relies on geometrical symmetry and it is brief, subtle, deep, and original. The connections between Einstein's proof and his subsequent discoveries in physics will be examined.

Presenters:

Alexander Atwood - Suffolk County CC, Selden, NY
Vera Hu (2005 Project ACCCESS Fellow) - Suffolk County CC, Selden, NY
Krystyna Janicka Wlodek - Suffolk County CC, Selden, NY

8:00 AM - 8:50 AM EQ, TL
Room: 212/213

S048: Proctoring: Issues, Concerns, and Equity: Is There a Solution?

Online courses are booming and so is cheating on exams. To maintain the integrity of the course, proctoring is increasingly necessary. This session will explore various proctoring options, the pros and cons of each, and discuss the impact of proctoring methods through an equity lens.

Presenter:

Johanna Debrecht - Red Rocks CC, Lakewood, CO
Presider: Barbie Hoag - Oakland CC, Auburn Hills, MI

8:00 AM - 8:50 AM MI, RG, SM
Room: Galleria 5

Y01: Undergraduate Research in Mathematics for Two-Year College Students

Are you interested in mentoring students in undergraduate research in mathematics? This session will describe the rewards and challenges of early-stage undergraduate research. Come learn about the positive outcomes of having students involved in undergraduate research and techniques for effective project selection, group organization, and student mentoring.

Presenters:

Kathryn Kozak - Coconino CC, Flagstaff, AZ
Kathryn Leonard - Occidental College, Los Angeles, CA
Alicia Prieto-Langarica - Youngstown State Univ, Youngstown, OH
Maria Mercedes Franco - Queensborough CC, Bayside, NY
Presider: Joseph Ours - State College of Florida, Bradenton, FL

Created: August 2024
Revised: November 2024

8:00 AM - 10:00 AM SM, TC, TL
Room: Galleria 2

W02: Creating Desmos Activities for Formative Assessment and Feedback
This workshop will guide participants through the Desmos Activity Builder from creation to implementation. Participants will create activities in Desmos to shape learners' conceptual understanding of foundational math topics through formative assessment. This hands-on session will equip instructors to find, edit, create, and implement engaging activities.
Presenters:
Lindsay Good - Saint Joseph's Univ, Lancaster, PA
Beth Kelch - Delta College, University City, MI
Daniel Ozimek - Saint Joseph's Univ, Lancaster, PA
Presider: Irene DuranCzyk - Univ of Minnesota, Minneapolis, MN

9:10 AM

9:10 AM - 9:35 AM
Room: 203

C9A: Vretta-Lyryx Inc.
Sparking Ideas for Teaching College Statistics Courses in 2024
An informative presentation on leading-edge hybrid resources for teaching statistics, featuring one of the authors Sean Saunders. This presentation will showcase how rethinking the ways statistics is taught, and incorporating modern technology and relevant actionable data with Excel, has allowed the first edition of Statistics for Business to quickly become the gold standard of teaching Statistics for Business.
Presenters:
James Howell - Vretta-Lyryx Inc., Toronto, ON
Sean Saunders - Sheridan College, Brampton, ON

9:10 AM - 10:00 AM SM
Room: Galleria 1

S049: Crack Codes, Solve Puzzles, Escape Rooms, and Access a Repository
An NSF grant has allowed faculty at a two-year college to develop a rich repository of inclusive active learning lessons. In this session, participants will partake in three of the over 200 lessons freely available and gain access to the repository. Join the fun and experience increased student engagement.
Presenters:
Sidra Van De Car - Valencia College, Orlando, FL
Brandon Armstrong - Valencia College, Orlando, FL
Keri Siler - Valencia College, Orlando, FL
Katie Pridemore - Valencia College, Orlando, FL
Presider: Jennifer Tracy - AB Technical CC, Asheville, NC

9:10 AM - 10:00 AM TL
Room: Galleria 3

S050: Beyond "Pros and Cons": Unleashing Innovation in the AI Classroom
Ready to harness the potential of AI in your classes? Ditch "Pros and Cons" debates and dive into practical applications. Discover how AI can transform teaching and foster student engagement. Inspiring visuals, examples, and resources will leave you empowered to integrate AI. Let's take this leap together!
Presenters:
Ingrid Scott - Montgomery College, Rockville, MD
Zine Boudhraa - Montgomery College, Rockville, MD
Presider: Peter Keep - Moraine Valley CC, Palos Hills, IL

9:10 AM - 10:00 AM IG, PD
Room: Galleria 4

S051: Teaching as Performing: Acting Lessons for Math Teachers
Maintaining the attention of students of students can be very difficult. Some basic acting techniques can help. Being fully present, discovering concepts in the moment, highlighting operative words, using body language and vocal techniques, playing antithesis, and always responding "Yes and" are some of the concepts that will be discussed.
Presenter:
Robert (Bob) Cappetta (2017 Teaching Excellence Award Recipient) - Florida SouthWestern State Univ, Fort Myers, FL
Presider: Dora Trujillo - LaGuardia CC (CUNY), Long Island City, NY

Created: August 2024
Revised: November 2024

9:10 AM - 10:00 AM ST, TL
Room: Galleria 6

S052: Integrating Technology for Project-Based Statistical Learning

This research aims to integrate computing technology into gateway statistics through a team-based action research approach using real-world contextualized projects. Specifically, Excel was used (and R attempted) for statistical analysis of local data. The primary objective was to observe, document, and analyze the student's technological competency and computational reasoning.

Presenters:
William Baker – Hostos CC (CUNY), Bronx, NY
Olen Dias – Hostos CC (CUNY), Bronx, NY
Presider: Holly Bass – AB Technical CC, Asheville, NC

9:10 AM - 10:00 AM SM
Room: Galleria 7

S053: Self-Validation: Teaching Students How to Check Their Own Work

Developing a learner's ability to self validate will boost self-efficacy, increase metacognition, and improve the transition from homework to exams. This presentation will present a comprehensive set of strategies for creating self validation techniques for almost any mathematical process.

Presenter:
Matthew Watts (2009 Project ACCCESS Fellow) – Red Rocks CC, Lakewood, CO
Presider: Gregory Fein – CUNY Start (CUNY), New York, NY

9:10 AM - 10:00 AM EQ, MN, SM
Room: Crystal Ballroom

S054: Teaching to Transgress: Mathematics as the Practice of Freedom

Through a lens of pedagogy and social justice, learn and explore how the first-year mathematics classroom becomes a unique site to de-colonize the curriculum and honor students' diverse motivations for learning by creating a liberating educational experience that creates not only employable workers, but also critically thinking citizens.

Presenter:
Brittany Mosby (2012 Project ACCCESS Fellow) – Tennessee Higher Education Commission, Nashville, TN
Presider: Allison Sutton – Austin CC, Austin, TX

9:10 AM - 10:00 AM EQ, PD
Room: 204/205

S055: PD Overload: Selecting From a Sea of Instructional Strategies

Balancing multiple initiatives from your college and AMATYC, while also implementing instructional frameworks for equitable teaching like Building Thinking Classrooms, 5 Practices, or Desmos, is challenging. Learn how paradigms can be integrated, understanding their intersections and points of tension, and discuss how to leverage instructors' strengths when creating professional development.

Presenters:
Jackie Murawska – Skokie - Morton Grove School District 69, Skokie, IL
Keith Nabb – Piedmont Virginia CC, Charlottesville, VA
Presider: Carol Hannahs – Nightingale College, Salt Lake City, UT

9:10 AM - 10:00 AM PS
Room: 208/209

S056: Placement and Assessment Sharing Session

College placement and assessment practices have evolved in recent years. Please join for a discussion on the various placement and assessment methods currently in place throughout the country and share your college's efforts. Come prepared to share with your fellow colleagues in this round table format!

Presenter:
Christine Mirbaha – CC of Baltimore County, Baltimore, MD

9:10 AM - 10:00 AM MN, PD, SM
Room: 210/211

S057: Ten Tips for Student Engagement in Quantitative Reasoning

QuantNet Ohio is a professional development network that supports Quantitative Reasoning instructors to engage students in critical thinking about quantitative issues that students face in their everyday lives. Come see the teaching strategies used by this statewide professional learning community, which are designed for student engagement and success.

Presenter:
Gregory D. Foley (1998 Mathematics Excellence Award Recipient) – Ohio Univ, Athens, OH
Presider: Ben Moulton – Utah Valley Univ, Orem, UT

Created: August 2024
Revised: November 2024

9:10 AM - 11:10 AM MI, RG, SM
Room: Galleria 5

Y02: Engaging in Research in Mathematics With Two-Year College Students
Interested in creating an undergraduate research in mathematics program, this hands-on workshop will provide the details to write a proposal for a CURM mini-grant, including developing a research topic, finding a four-year college faculty member to work with, and scaffolding a project to mentor students effectively to conduct the research.
Presenters:
Kathryn Kozak - Coconino CC, Flagstaff, AZ
Kathryn Leonard - Occidental College, Los Angeles, CA
Alicia Prieto-Langarica - Youngstown State Univ, Youngstown, OH
Maria Mercedes Franco - Queensborough CC, Bayside, NY
Presider: Melanie Eddins-Spencer - Prairie State College, Chicago Heights, IL

9:40 AM

9:40 AM - 10:05 AM
Room: 203

C9B: Crowdmark
Optimizing Quality Feedback in Math Grading: A Professor's Perspective
Explore how a math professor streamlined grading, enhanced feedback, and saved time with Crowdmark at the University of Waterloo, across small and large classes with multiple sections. Attendees will discover how this flexible and powerful tool can improve assessment workflows, foster collaboration, and boost student engagement for your courses.
Presenter:
Graeme Turner - Crowdmark, Toronto, ON

10:20 AM

10:20 AM - 11:10 AM
Room: Galleria 1

M01: Equity Academic Network Exchange (ANet)
This community will discuss ways to increase mathematics achievement for diverse learners. Be sure to also visit the Equity ANet leader at the Involvement Fair on Saturday morning.
Presenter:
Ben Aschenbrenner - National Louis Univ, Chicago, IL

10:20 AM - 11:10 AM
Room: Galleria 3

M02: Developmental Mathematics Academic Network Exchange (ANet)
This community will discuss ways to improve the quality of developmental mathematics programs in colleges by providing a forum for the exchange of ideas. Be sure to also visit the Developmental Mathematics ANet leader at the Involvement Fair on Saturday morning.
Presenter:
Kim Granger - St. Louis CC-Wildwood Campus, Wildwood, MO

10:20 AM - 11:10 AM
Room: Galleria 6

M03: Research in Mathematics Education for Two Year Colleges Academic Network Exchange (ANet)
This community will discuss ways to encourage quality research in mathematics education in two-year colleges. Be sure to also visit the Research in Mathematics Education for Two-Year Colleges ANet leader at the Involvement Fair on Saturday morning.
Presenter:
Frank Marfai - Phoenix College, Phoenix, AZ

Created: August 2024
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10:20 AM - 11:10 AM
Room: 212/213

M04: Division/Department Leadership Academic Network Exchange (ANet)
This community will discuss professional development opportunities for mathematics department leaders (e.g. coordinates, chairs, etc.), to increase communication within the ANet's constituency and enhance professional networking, and support systems for mathematics department leaders. Be sure to also visit the Division/Department Leadership ANet leader at the Involvement Fair on Saturday morning.
Presenter:
Chris Ward - Southern West Virginia CTC, Mount Gay, WV

10:20 AM - 11:10 AM
Room: 204/205

M05: Mathematics and Its Applications for Careers Academic Network Exchange (ANet)
This community will address mathematics for Engineering Tech, Health areas, Business Tech areas, Information Tech areas, Emerging tech areas, Trades, etc. Be sure to also visit the Mathematics and Its Applications for Careers ANet leader at the Involvement Fair on Saturday morning.
Presenter:
Natalia Postrigan - Pace Univ, New York, NY

10:20 AM - 11:10 AM
Room: 208/209

M06: Placement and Assessment Academic Network Exchange (ANet)
This community focuses on issues related to placement and assessment of student outcomes and mathematics programs. Be sure to also visit the Placement and Assessment ANet leader at the Involvement Fair on Saturday morning.
Presenter:
Christine Mirbaha - CC of Baltimore County, Baltimore, MD

10:20 AM - 11:10 AM
Room: 212/213

M07: Teacher Preparation Academic Network Exchange (ANet)
This community focuses on implications of preK-12 mathematical and professional standards on the teacher preparation curriculum and courses taught during the first two years of college; facilitate sharing of curricular resources, best practices, and innovative ideas used in mathematics courses for prospective preK-6 teachers; provide support and professional development to new and veteran mathematics faculty involved in the education of preK-6 teachers of mathematics. Be sure to also visit the Teacher Preparation ANet leader at the Involvement Fair on Saturday morning.
Presenter:
Xianwei Van Harpen - Univ of Wisconsin-Milwaukee, Milwaukee, WI

10:20 AM - 11:10 AM ST, SM
Room: Galleria 2

S058: What Are the Chances of Attending the 50th AMATYC Conference - 50:50?
Student misconceptions with probability, unfortunately, still abound. Research looks to conceptual change theory as a framework for addressing probabilistic misconceptions. In this presentation, a hypothetical simulation will reveal some of the dangers involved with the perpetuity of these misconceptions, and suggestions for promoting improvement in this area will be addressed.
Presenter:
Mary Bruce - Purdue Univ Global, Atlanta, GA
Presider: Christopher Riola - Moraine Valley CC, Palos Hills, IL

Created: August 2024
Revised: November 2024

10:20 AM - 11:10 AM MI, SM
Room: Galleria 4

S059: An Adventurers' Guide to Corequisite Calculus
In response to California legislation AB1705, Mesa College offered a corequisite calculus class with no perquisites enforced. In this session, participants will learn about one instructor's class and work together to explore ways to support students with lower incoming skills to be successful in a first semester calculus course.
Presenter:
Kelly Spoon (2018 Project ACCCESS Fellow) - San Diego Mesa College, San Diego, CA
Presider: Jennifer Bready - Mount Saint Mary College, Newburgh, NY

10:20 AM - 11:10 AM IG, SM
Room: Galleria 7

S060: Puzzles and Riddles and Games, Oh My!
This presentation will provide a large collection of puzzles, riddles, and mathematical games that are great for any math classroom. Getting students engaged by challenging their minds and giving them opportunities to take academic risks and work in collaboration with their peers are winning pedagogical strategies! Prepare to have fun!
Presenter:
Dan Van der Vieren (2023 Project ACCCESS Fellow) - Aims CC, Greeley, CO
Presider: Meghan Carlson - Florida SouthWestern State College, Fort Myers, FL

10:20 AM - 11:10 AM SM
Room: Crystal Ballroom

S061: Who's Doing the Thinking? BTC Strategies for Multiple Modalities
Classroom engagement does not always ensure students are thinking critically and are able to apply what they learn. By incorporating strategies from the Building Thinking Classrooms framework, we can shape a new learner who cares about the "Why" and "How", changing the dynamic in Corequisite, Online, and Hybrid modalities.
Presenters:
Julie Phelps - Valencia College, Orlando, FL
Amanda Saxman - Valencia College, Orlando, FL
Sandra Draper - Valencia College, Orlando, FL
Melissa Sebert - Valencia College, Orlando, FL
Presider: Evan Evans - Frederick CC, Frederick, MD

10:20 AM - 11:10 AM
Room: 210/211

C11: Rguroo Statistical Software - Soflytics Corp Rguroo: Simplifying Statistics Education for Faculty and Students
Used by many top universities and colleges nationwide, Rguroo is a user-friendly, web-based, point-and-click statistical software designed specifically for teaching your statistics courses. This presentation will provide an overview of the software and its various features that faculty can use to enhance teaching effectiveness and improve student learning outcomes.
Presenter:
Mortaza (Mori) Jamshidian - California State University, Fullerton, Fullerton, CA

11:10 AM

11:10 AM - 11:45 AM
Room: Salon / Exhibit Hall

Dedicated Exhibits Time
Take advantage of dedicated time to visit exhibitors in Salon / Exhibit Hall without missing sessions. Exhibitors are eager to meet you, discuss your needs, and demonstrate products and services that can provide you with solutions to your classroom needs.

11:45 AM

11:45 AM - 1:15 PM
Room: See page 6 / Check Whova

Regional Lunches and Regional Gatherings
Pick up your lunch from the buffet and go to the room for your region. Connect with others in your region, enjoy lunch and networking time, and then learn about how AMATYC is active in your region.

Created: August 2024
Revised: November 2024

1:15 PM

1:15 PM - 2:00 PM
Room: Salon / Exhibit Hall

Dedicated Exhibits Time
Take advantage of dedicated time to visit exhibitors in Salon / Exhibit Hall without missing sessions. Exhibitors are eager to meet you, discuss your needs, and demonstrate products and services that can provide you with solutions to your classroom needs.

2:00 PM

2:00 PM - 2:25 PM SM, IG
Room: Galleria 1

S063A: Contextualizing College Algebra for Gen Z
Gen Z learners value authentic, real-world content and experiences that are relevant to their lives and future career aspirations. At this session, you will discover some bite-sized, interactive, and visually engaging learning materials that will help to capture the interest of Gen Z students who are taking College Algebra.
Presenter:
Marsha Fields - Univ of Georgia, Athens, GA
Presider: Katey Arrington - NCSM: Leadership in Mathematics Education, Austin, TX

2:00 PM - 2:25 PM SM
Room: Galleria 3

S065A: Exploring Informal Knowledge in Learning Fundamental Mathematics
The presentation will report on the formal and informal strategies employed by students while learning fundamental mathematics and analyze the various types of real-life word problems student create, as these can enhance their informal problem-solving skills. Further, how to utilize students' informal strategies into formal knowledge will also be discussed.
Presenter:
Eunmi Joung (2022 Project ACCCESS Fellow) - Utah Valley Univ, Orem, UT
Presider: Natalie McGathey - Prairie State College, Chicago Heights, IL

2:00 PM - 2:25 PM MI, PD, SM
Room: Galleria 4

S066A: Successfully Implementing a Cross-College Mathematics Project
Creating a project amongst colleagues from multiple institutions is easy with a few simple guidelines. The process is amazing, from the enrichment of mathematical thinking amongst participants to the high quality results such as two textbooks that are now being shared with instructors across the country.
Presenters:
Camille Paxman - Salt Lake CC, Salt Lake City, UT
Robert Woodward - Salt Lake CC, Salt Lake City, UT
Presider: Kris Demarais - Indian River State College, Ft. Pierce, FL

2:00 PM - 2:25 PM MI, TL
Room: Galleria 5

S067A: The Importance of Spiral Learning and Curriculum in Mathematics
The concept of a spiral curriculum, attributed to the American psychologist and cognitive theorist Jerome Bruner, offers a powerful approach to teaching and learning. In a spiral curriculum as students revisit a topic, its complexity deepens with each iteration. This session will focus in graphing various functions in a spiral manner.
Presenter:
Lucie Mingla - LaGuardia CC (CUNY), New York, NY
Presider: Alexander Atwood - Suffolk County CC, Selden, NY

2:00 PM - 2:25 PM SM
Room: Galleria 6

S068A: Increase Student Success With Spaced Repetition
Everyone knows that if you stop exercising muscles, they will atrophy. The same is true with information. That is the fundamental idea behind spaced repetition. Come learn practical ways to help students retain information throughout the semester so they can pass your class!
Presenter:
Heather Luman - CC of Baltimore County, Catonsville, MD
Presider: Patrick Kimani - Glendale CC, Glendale, AZ

Created: August 2024
Revised: November 2024

2:00 PM - 2:25 PM MI, TL
Room: Galleria 7

S069A: The Importance of 3D Graphics for Spatial Reasoning in Calculus
Students have trouble with spatial reasoning. Try a collection of graphics to help students visualize 3D concepts in calculus. Some are static, animated or manipulatable with a mouse or sliders. Prime examples are arc length, surface area, volume, related rates and max-min problems. Use any browser.
Presenter:
Philip Yasskin - Texas A&M Univ, College Station, TX
Presider: Matthew Weber - Glendale CC, Glendale, AZ

2:00 PM - 2:25 PM EQ, PD
Room: 204/205

S070A: Promoting Collaboration With Professional Learning Communities
Presenters from the Teaching for PROWESS project will share strategies on establishing Professional Learning Communities (PLCs) that they have used to bring the Four Pillars of PROWESS to mathematics classrooms at their institution. The PLCS provide support to faculty with developing active learning lessons that promote equitable student outcomes.
Presenters:
Debora Rimkus - Connecticut State CC, Quinebaug Valley, Danielson, CT
Myrta Groeneveld - Connecticut State CC, Manchester, Manchester, CT
Presider: Sonia Petch - Collin College, McKinney, TX

2:00 PM - 2:25 PM EQ, PD
Room: 208/209

S071A: Instructional Practices for Gateway Math With Evidence of Success
This session will focus on sharing the results of an empirical study of 22,827 students in 704 gateway math courses at four colleges. The presentation will include sharing the specific instructional practices that benefited Black and Latino students specifically.
Presenters:
Mina Dadgar - Education Equity Solutions, Kensington, CA
Tammi Marshall - Cuyamaca CC, El Cajon, CA
Presider: Nancy Sattler - Terra CC and Walden Univ, Fremont, OH

2:00 PM - 2:25 PM IG, ST
Room: 210/211

S072A: Math and Dating
Is there a perfect date? Does a statistically sound cologne or perfume exist? Can math finally figure out the best place to eat? This presentation looks at surveys, statistical research and popular analysis to find out if there's a formula for the perfect date.
Presenter:
Greg Stiffler - CC of Baltimore County, Baltimore, MD
Presider: Kimberly Walters - Mississippi State Univ, Starkville, MS

2:00 PM - 2:50 PM EQ, SM, TL
Room: Crystal Ballroom

S062: Promoting Higher-Order Cognitive Skills via Dialogue-Based Assessments
Research has shown that oral assessment encourages students to deeply engage with their learning, exhibits their true level of understanding and grants instant feedback. Discussion-based assessments foster reverence for students' intelligence. This presentation showcases benefits & constraints of alternative assessments through four different approaches, all grounded in effective pedagogical research.
Presenters:
Bukurie Gjoci - LaGuardia CC (CUNY), New York City, NY
Jennifer Lawhon - Valencia College, Orlando, FL
Rick Powers - Western Technical College, La Crosse, WI
Jennifer Ackerman - Louisville Collegiate School, Louisville, KY
Presider: Jason Farrington - Paradise Valley CC, Phoenix, AZ

2:00 PM - 2:50 PM
Room: 203

C12: Pearson
Building a Data Science Program: Getting Students and Faculty Started
Join Hunter Glanz as he shares ideas and resources for starting and scaling a data science program at your two-year college. Topics from admin challenges, topical content coverage, software, and assessment will be covered.
Presenter:
Hunter Glanz - California Polytechnic State University, San Luis Obispo, CA

Created: August 2024
Revised: November 2024

2:00 PM - 2:50 PM
Room: 212/213

C13: McGraw-Hill
Meeting Students Where They Are: 25 Years of Advances in Artificial Intelligence
To harness the power of artificial intelligence in education, it's important to focus on practical and proven applications rather than getting caught up in the hype. This session will show you how 25 years of data and research can supplement your teaching experience, engage students and improve outcomes.
Presenter:
Tony St. John - McGraw-Hill, Chicago, IL

2:00 PM - 4:00 PM
Room: Salon / Exhibit Hall

Poster Session
The poster session will be in the Salon / Exhibit Hall where poster presenters will discuss their projects, ideas, and research. Stop by to browse the posters and chat with the poster presenters about their work. Refer to pages 53-57 for details about the posters and their presenters.

2:30 PM

2:30 PM - 2:55 PM SM
Room: Galleria 1

S063B: Regaining Student's Attention in Classroom After Pandemic
Are the students turning their attention to their electronic devices more post-pandemic than before? The presenter will share different classroom strategies to recapture students' curiosity and attention with the final goal is increase retention and student success.
Presenter:
Rusandica Manole - Georgia State Univ, Perimeter College, Dunwoody, GA
Presider: Katey Arrington - NCSM: Leadership in Mathematics Education, Austin, TX

2:30 PM - 2:55 PM SM, ST
Room: Galleria 2

S064B: Focusing on Interpretation and Evaluation in Statistics & Data Science
For many students, comfort in interpreting and evaluating visualizations or analyses is an important learning outcome of an introductory statistics or data science course. This presentation will share inquiry-based activities that build information processing skills, as well as class routines and assignments focused on interpretation and evaluation of analyses.
Presenter:
Jessica Oehrlein - Fitchburg State Univ, Fitchburg, MA
Presider: Matthew Watts - Red Rocks CC, Lakewood, CO

2:30 PM - 2:55 PM SM, PS, EQ
Room: Galleria 3

S065B: Embedded Tutors: Tutoring Partners for Online Math Success
This presentation highlights the strategy of integrating embedded tutors in online math courses, designed to promote help-seeking and provide more targeted support. Tutors partner with professors to provide tutoring, encouragement, and targeted support. This approach fosters a learning environment that elevates academic achievement, engagement, and belonging for students.
Presenter:
April Crenshaw (2023 Teaching Excellence Award Recipient) - Chattanooga State CC, Chattanooga, TN
Presider: Natalie McGathey - Prairie State College, Chicago Heights, IL

2:30 PM - 2:55 PM SM, TL
Room: Galleria 4

S066B: Assessing an Online Math Initiative With Programming Integration
Explore the Tutor-Advisor-Professor Initiative's impact on online college algebra outcomes through a detailed statistical analysis. Moreover, discover how integrating programming software enhances learning, highlighting significant improvements in student success using data.
Presenters:
Oscar Villalobos - Santiago Canyon College, Orange County, CA
Jonathan Gamez - Lone Star College - Kingwood, Kingwood, TX
Presider: Kris Demarais - Indian River State College, Fort Pierce, FL

Created: August 2024
Revised: November 2024

2:30 PM - 2:55 PM MI, SM
Room: Galleria 5

S067B: Calculus on My Mind - Activities to Get Students Thinking

Get students thinking about calculus, even after they leave the classroom! Presenters will share some of their favorite activities to get students active, engaged, and thinking in Calculus I and II.

Presenters:

Cindy Moore - Asheville-Buncombe Technical CC, Asheville, NC

Tammy Sullivan - Asheville-Buncombe Technical CC, Asheville, NC

Presider: Alexander Atwood - Suffolk County CC, Selden, NY

2:30 PM - 2:55 PM SM
Room: Galleria 6

S068B: Undergraduates' Dislike of Mathematics

The description should go as: This presentation reports on a dissertation study driven by the author's experiences as a student, teacher, and educator. Using qualitative research with 15 undergraduates, it delves into factors contributing to math dislike, emphasizing innovative solutions for its reduction.

Presenters:

Amrit Thapa - Ohio Univ, Athens, OH

Gregory Foley (1998 Mathematics Excellence Award Recipient) - Ohio Univ, Athens, OH

Presider: Patrick Kimani - Glendale CC, Glendale, AZ

2:30 PM - 2:55 PM MI
Room: Galleria 7

S069B: Embedded Learning Assistants & Students' Success in Precalculus Class

This presentation will go through the duties and responsibilities of Embedded Learning Assistants (ELAs) and how using ELAs in math classes–particularly Pre-calculus–has improved student engagement, retention, and grades in conjunction with the Student Learning Center.

Presenter:

Laxmi Chataut - Harford CC, Bel Air, MD

Presider: Matthew Weber - Glendale CC, Glendale, AZ

2:30 PM - 2:55 PM PD
Room: 204/205

S070B: The Professional Development Rewards of the AP Reading

The Advanced Placement Precalculus and Calculus readings are an excellent way to engage in professional development. You have the opportunity to see first-hand the rigor of the courses, network with other mathematicians, and discover ways to improve your own classroom and teaching.

Presenters:

Sharon Taylor - Georgia Southern Univ, Statesboro, GA

Nicole Lang - North Hennepin CC, Brooklyn Park, MN

Presider: Sonia Petch - Collin College, McKinney, TX

2:30 PM - 2:55 PM IG, ST
Room: 210/211

S072B: Using Apportionment to Break Down Close Presidential Elections

Several presidential elections were very close, particularly those of 1796, 1824, 1876, 1880, 1960, and 2000. An analysis of these elections will be shown using different apportionment methods to determine if outcomes could have been different in each of these elections. Results will be available for instructor use.

Presenters:

Ben Moulton - Utah Valley Univ, Orem, UT

Hannah Oldroyd - Utah Valley Univ, Orem, UT

Presider: Kimberly Walters - Mississippi State Univ, Starkville, MS

3:10 PM

3:10 PM - 4:00 PM PD, PS, SM
Room: Galleria 1

S073: Let the Data Lead You!

A quick review of a community college's journey along the co-requisite college algebra path over the past 18 years. Included in this presentation will be the data which led to change, the data which can be celebrated, and the data which is currently being evaluated.

Presenter:

Tina Ragsdale - West Kentucky CTC, Paducah, KY

Presider: Malgorzata Chockla - AB Technical CC, Asheville, NC

Created: August 2024
Revised: November 2024

3:10 PM - 4:00 PM PD
Room: Galleria 2

S074: Mathematics and Its Application for Careers Sharing Session

Please join for a discussion of innovation, challenges, and opportunities in the area of aligning math curricula with the ever-evolving career needs. Hear about new developments in math for engineering, technology, healthcare, business, trades, and other industries. Bring your stories and questions to share and brainstorm with like-minded colleagues!

Presenter:

Natalia Postrigan - Pace Univ, New York, NY

Presider: Ajai Simmons - Lone Star College-Univ Park, Houston, TX

3:10 PM - 4:00 PM SM
Room: Galleria 3

S075: Try Active Learning: Shareable Algebra Activities and Research

You've been hearing about active learning, but maybe you've been curious about the research behind higher education facilitation. Perhaps you haven't jumped in because you don't have activities at your fingertips yet? Best practice research and ready-to-go algebra activities, will be shared during this presentation.

Presenter:

Kim Granger - St. Louis CC - Wildwood Campus, Wildwood, MO

Presider: Colleen Hosking - Austin CC, Austin, TX

3:10 PM - 4:00 PM EQ, IG, SM
Room: Galleria 4

S076: Shifts Needed to Build on Students Strengths and Talents

Mathematics instruction, curriculum, and assessment tend to focus on what students do not know or cannot do. How can we shift towards providing all students access to rich mathematics and help them see themselves as active architects of their own learning. We will examine shifts needs and resources available.

Presenter:

Enrique Galindo - Association of Mathematics Teacher Educators, Bloomington, IN

Presider: Elizabeth Leyva - Texas A&M Univ - San Antonio, San Antonio, TX

3:10 PM - 4:00 PM SM, ST
Room: Galleria 5

S077: Experience Active Learning in Intro Statistics

In this session, participants will experience an activity used in an Introduction to Statistics course. Participants will learn how the activity was implemented, see examples of students working and their solutions/thoughts on the activity, and discuss their and student perspectives of the activity.

Presenter:

Carrie Lineberry - Randolph CC, Asheboro, NC

Presider: Asli Mutlu - Wake Technical CC, Raleigh, NC

3:10 PM - 4:00 PM SM
Room: Galleria 6

S078: Decoding Dishonesty: What's Cheating in Math?

Forget "catch & punish." Define cheating in math, embrace student agency, and build a culture of integrity. Share strategies to promote honest learning and discuss how generative AI plays a role in this.

Presenter:

Gabriel Porrata Vallejo (2018 Project ACCCESS Fellow) - National Louis Univ, Chicago, IL

Presider: Jessica Hoppe - Spokane Falls CC, Spokane, WA

3:10 PM - 4:00 PM PD
Room: 204/205

S080: A Collaborative Movement:Strengthening Student Support Across Colleges

Math leaders from community colleges and high schools are working together to update corequisites and holistic support offerings to align with recent legislation. This faculty-led movement convenes shareholders working across multiple strands to promote student success through collaboration, data analysis, course validation, and piloting initiatives.

Presenters:

Tammi Perez-Rice - The Dana Center at the Univ of Texas at Austin, Austin, TX

Shelley Getty - Taft College, Taft, CA

Jeremy Brandl - Fresno City College, Fresno, CA

Presider: Sarah Davenport - Southern Illinois Univ-Edwardsville, Edwardsville, IL

Created: August 2024
Revised: November 2024

3:10 PM - 4:00 PM TC
Room: 212/213

S082: Come to Share Your Favorite Activities in Math for Teachers Courses

Do you teach math content courses for prospective teachers? Looking for fresh ideas to include in your existing curriculum? Come and share your favorite activities and lessons with colleagues from AMATYC's Teacher Preparation Academic Network (ANet). Bring your own ideas and leave with access to practical lessons and activities.

Presenters:

Xianwei Van Harpen - Univ of Wisconsin-Milwaukee, Milwaukee, WI

Keith Nabb - Piedmont Virginia CC, Charlottesville, VA

Presider: Hyeeun Jang - Abilene Christian Univ, Abilene, TX

3:10 PM - 4:10 PM
Room: 210/211

C14: Wiley

We are all math people: Explore personalized learning for math, at all levels

Join us for an introduction to Knewton Alta, Wiley's adaptive courseware. We'll discuss how Alta puts achievement within reach for ALL students, regardless of prior experience in math, by promoting a growth mindset. Learn how implementing adaptive courseware can support your goals and student needs across the curriculum.

Presenter:

Kayla Shearns - Wiley, Hoboken, NJ

4:20 PM

4:20 PM - 5:10 PM MI
Room: Crystal Ballroom

S083: Faculty Math League

Come and participate in the 20th Annual Faculty Math League contest, based on AMATYC's Student Math League competition. This 17-question multiple choice exam covering precalculus mathematics tests your problem-solving skills. Compete for individual prizes as well as the coveted Regional Championship trophy. Bring a graphing calculator.

Presenters:

Steven Blasberg - West Valley College, Saratoga, CA

Matthew Pragel (2012 Project ACCCESS Fellow) - Harrisburg Area CC, Harrisburg PA

Created: August 2024
Revised: November 2024

8:30 AM

8:30 AM - 10:00 AM EQ, SM, TC
Room: Grand Ballroom

Keynote: Language and Mathematics Are Interconnected: One Cannot Develop Without the Other

Language and math are interconnected and mutually reinforcing. Systemic inequities have contributed to achievement gaps for our English learners. We should amplify, not simplify, the language students use to communicate for academic purposes. This interactive session will explore the interconnectedness between language and mathematics learning.

Presenter:
Luis Harold Asturias Méndez - The Lawrence Hall of Science, Univ of California, Berkeley, Berkeley, CA
Presider: George Hurlburt, AMATYC President

10:00 AM

10:00 AM - 10:50 AM
Room: Salon / Exhibit Hall

AMATYC Involvement Fair / Dedicated Exhibits Time

Join us at the AMATYC Involvement Fair in the Exhibit Area. Here you can meet and chat with ANet Chairs, Student League Coordinators, Publication Editors, and others involved in helping AMATYC thrive. Discover how you can become part of this group of amazing volunteers. While there, have your Involvement Fair BINGO card stamped and enter to win some great 50th Anniversary giveaways.

Also, take advantage of dedicated time to visit exhibitors without missing sessions. Exhibitors are eager to meet you, discuss your needs, and demonstrate products and services that can provide you with solutions to your classroom needs.

11:00 AM

11:00 AM - 11:50 AM MI, SM
Room: Galleria 1

S084: Actively Learning What? Modernizing the Curriculum...

Active learning is rightly gaining interest among faculty. What mathematics should students be actively learning in 2024? What does this active learning look like and how do faculty know when they see it? Come experience an active learning environment and consider a protocol for recognizing active learning.

Presenter:
Scott Adamson (2007 Teaching Excellence Award Recipient) - Chandler-Gilbert CC, Chandler, AZ
Presider: Carrie Lineberry - Randolph CC, Asheboro, NC

11:00 AM - 11:50 AM IG
Room: Galleria 2

S085: Collaborative Online International Learning (COIL) Statistics Project

This presentation centers around international partnership building and Collaborative Online International Learning (COIL). One such example is the collaboration between a U.S. community college and a university in Katowice/Poland, where two professors have merged a statistics course and a English teacher education course.

Presenters:
Lucie Mingla - LaGuardia CC (CUNY), New York, NY
Barbara Leitherer - CC of Baltimore County, Baltimore, MD
Presider: Vinodh Kumar Chellamuthu - Utah Tech Univ, St. George, UT

Created: August 2024
Revised: November 2024

11:00 AM - 11:50 AM PD, RG, SM
Room: Galleria 3

S086: What Knowledge is Needed to Teach College Algebra Well?

Research has shown a strong relationship between mathematical knowledge for teaching and students' achievement. In this workshop, participants will engage in the analysis of mathematical tasks in college algebra to reveal the underlying mathematics ideas and the kind of knowledge needed to improve teaching.

Presenters:

Patrick Kimani – Glendale CC, Glendale, AZ
Dexter Lim – Univ of Minnesota, St. Paul, MN
Irene Duranczyk – Univ of Minnesota, St. Paul, MN
Vilma Mesa (2024 Mathematics Leadership Excellence Award Recipient) – Univ of Michigan, Ann Arbor, MI
Presider: Jason Gregersen – Michigan Technological Univ, Houghton, MI

11:00 AM - 11:50 AM MI, TL
Room: Galleria 4

S087: Mars and Milkshakes: Making Meaning With Math in Motion

This will be an interactive session to introduce attendees to the use of free online software to create dynamic imagery to aid students with the development of certain mathematical concepts related to precalculus and above. Bring your laptop or tablet!

Presenters:

Matthew Weber – Glendale CC, Glendale, AZ
Gabriel Tarr – Scottsdale CC, Scottsdale, AZ
Presider: Berhanu Kidane – Univ of North Georgia, Watkinsville, GA

11:00 AM - 11:50 AM IG, SM
Room: Galleria 5

S088: 50 Interactive Math Websites for AMATYC's 50th Year

In honor of AMATYC's 50 Year Anniversary, 50 fun and interactive websites will be shared to help understand and apply many math and statistics topics. Websites will be briefly shown followed by time to investigate requests from the audience. A list of all 50 (with links) will be provided.

Presenter:

Pat Riley – Hopkinsville CC, Hopkinsville, KY
Presider: Tanya Easley – Lone Star College - Kingwood, Kingwood, TX

11:00 AM - 11:50 AM MI, TL
Room: Galleria 6

S089: Engaging Students by Creating Photo Filters With Linear Algebra

Photo filtering is a common, daily activity in our students' world today. In this session, participants will learn the role that linear algebra plays in creating basic photo filters. Participants will have access to free software and the ability to create their own photo filters to share with their students.

Presenter:

Patrick Wilcher – Mississippi Gulf Coast CC, Gulfport, MS
Presider: George Soliman – Raritan Valley CC, Branchburg, NJ

11:00 AM - 11:50 AM SM
Room: 204/205

S091: Making the Most of Student Thinking

A crucial component of active learning is instructors' interest in and use of student thinking. This session will explore strategies for identifying and using student thinking to guide a lesson.

Presenter:

Scot Pruyn – Clackamas CC, Oregon City, OR
Presider: Carol Hannahs – Nightingale College, Salt Lake City, UT

11:00 AM - 11:50 AM EQ, PS, SM
Room: 208/209

S092: Guardrails Not Barriers: Transformative Placement for Student Success

How can the placement process spur more equitable learning and support experiences for students in first-year math? This session will highlight evolving approaches to developmental education assessment practices that rethink college readiness, pedagogy, and support to leverage student strengths so all students have the opportunity to successfully earn college credit.

Presenters:

Melinda Karp – Phase Two Advisory, Denver, CO
Max Lee – SUNY Westchester CC, Valhalla, NY
Josh Lavorgna – SUNY Orange, Middletown, NY
Presider: Monica Hennessy – Univ of Cincinnati, Blue Ash, Blue Ash, OH

Created: August 2024
Revised: November 2024

11:00 AM - 11:50 AM PD
Room: 210/211

S093: Symphony of Support: Professional Development Where Faculty Thrive
Robust professional development enables faculty to thrive. This session will explore strategies to expand the scope and availability of professional development and faculty mentoring, including: pre-semester conference-style training weeks; drop-in 'office hours'; asynchronous options; and mentoring, both for first time faculty and any faculty teaching a new-to-them course.
Presenters:
Colleen Hosking - Austin CC, Austin, TX
Carolynn Campbell Reed - Austin CC, Austin, TX
Presider: Meghan Carlson - Florida SouthWestern State College, Naples, FL

12:10 PM

12:10 PM - 1:00 PM EQ, PD, SM
Room: Galleria 1

S094: Empowering Black Male Students in Mathematics Contexts
The presenter will share insights about empowering Black male students in mathematics contexts drawing upon his experiences teaching core mathematics courses and related research findings. The session will have an explicit focus on sharing implications for faculty teaching mathematics courses within the first two years of college.
Presenter:
Christopher Jett - Georgia State Univ, Atlanta, GA
Presider: Allison Sutton - Austin CC, Austin, TX

12:10 PM - 1:00 PM PD, SM
Room: Galleria 2

S095: That's How to Thin-Slice "the Meat" in the Sandwich of BTC
So you want to build a thinking classroom - but how do you construct tasks that get students through the curricular content? Discover strategies for thin-slicing "the meat" of your course content and managing exercise distribution to student groups. Participants will also begin to build their own thin-sliced set of exercises.
Presenters:
AnnMarie O'Neil - Valencia College, Orlando, FL
Julie Phelps - Valencia College, Orlando, FL
Presider: George Alexander - Madison Area Technical College, Madison, WI

12:10 PM - 1:00 PM MI
Room: Galleria 3

S096: Math Intensive Sharing Session
Not for Review Proposal: Facilitators will encourage attendees to share ideas about teaching and learning precalculus, calculus, differential equations, linear algebra and discrete mathematics. In particular, people will be encouraged to identify challenges and suggest solutions.
Presenters:
Robert (Bob) Cappetta (2017 Teaching Excellence Award Recipient) - Florida SouthWestern State College, Fort Myers, FL
Mike Caparula - Kankakee CC Kankakee, IL
Eric Hutchinson - College of Southern Nevada, Henderson, NV
Presider: Robert (Bob) Cappetta - Florida SouthWestern State Univ, Fort Myers, FL

12:10 PM - 1:00 PM EQ, TL
Room: Galleria 5

S097: Can You See What I See?
Certain students require specific accessible content. Preparing to teach visually impaired students can be overwhelming. Proper planning and understanding of specific needs are most important. Participants will actively discover appropriate alt text for visuals and learn how to prepare to accommodate visually impaired students. It takes a village!
Presenter:
Tricia Van Brunt - Wake Technical CC, Raleigh, NC
Presider: Ben Moulton - Utah Valley Univ, Orem, UT

Created: August 2024
Revised: November 2024

12:10 PM - 1:00 PM EQ, IG
Room: Galleria 7

S099: Alt Right Try Angles
How equitable are math titles, such as "Pythagorean Theorem", that are frequently used in our teaching materials? What privileges exist around job titles? Let us explore innovative approaches and try new angles to implement alternative titles that are more accessible and inclusive for the mathematics community.
Presenter:
Luke Walsh - Catawba Valley CC, Hickory, NC
Presider: April Crenshaw - Chattanooga State CC, Chattanooga, TN

12:10 PM - 1:00 PM SM
Room: 204/205

S100: Transform CARE to Support Student Success
How does caring support student success in the classroom? This presentation will provide insight into ways that faculty can use simple strategies to create an culture of care in the classroom to increase student success.
Presenter:
Glynis Mullins - Pitt CC, Greenville, NC
Presider: Carol Howald - Howard CC, Columbia, MD

12:10 PM - 1:00 PM MI, RG, TC
Room: 210/211

S102: Needed Math Project: Are Your Students Prepared to Do Math at Work?
Using mathematics on the job is not intuitive. Engage in debate why using math on the job can be a challenge and how to subject your students to more of the realistic demands of doing math at work. Leave with activities developed from business and industry ready for your classroom.
Presenters:
Jay Martin - Wake Technical CC, Raleigh, NC
Rodney Null (2013 Teaching Excellence Award Recipient) - Rhodes State College (retired), Lima, OH
Paul Horwitz - The Concord Consortium (retired), Concord, MA
Presider: Keith Nabb - Piedmont Virginia CC, Charlottesville, VA

12:10 PM - 2:10 PM SM, TL
Room: Galleria 4

W03: Engage With Desmos Through Self-Checking Activities
In this interactive hands-on workshop participants will create and customize engaging Desmos Classroom Activities. Participants should bring a laptop and will specifically create and modify questions to add in self-checking features that provide students with immediate feedback. Various examples and tips will be shared. No prior Desmos experience required.
Presenter:
Katie Pridemore - Valencia College, Orlando, FL
Presider: Ruth Trygstad - Salt Lake CC, Salt Lake City, UT

1:20 PM

1:20 PM - 2:10 PM
Room: Galleria 1

M08: Innovative Teaching and Learning Academic Network Exchange (ANet)
This community identifies and examines issues that pertain to effective teaching and learning, distance learning and technology in education as they relate to mathematics students, faculty, programs and curricula in the first two years of college; facilitate sharing and networking on crucial issues, ideas, and current practices in traditional, hybrid, distance and active learning; develop criteria for evaluating data, software, and internet resources; share demonstrably effective ways to implement these resources; and maintain and update position papers on effective teaching and learning.
Presenter:
Jennifer Ackerman - Louisville Collegiate School, Louisville, KY

Created: August 2024
Revised: November 2024

1:20 PM - 2:10 PM
Room: Galleria 3

M09: Mathematics Intensive Academic Network Exchange (ANet)

This community concentrates on courses past the developmental/foundations level. Such courses may lead to AA or AS degrees, be used as transfer credit, or be taken for student enrichment.

Presenter:

Robert (Bob) Cappetta (2017 Teaching Excellence Award Recipient) - Florida SouthWestern State College, Fort Myers, FL

1:20 PM - 2:10 PM
Room: Galleria 6

M10: Statistics and Data Science Academic Network Exchange (ANet)

Academic Network Exchange. This community provides a forum for the exchange of ideas, the sharing of resources and the discussion of issues of interest to the statistics community. Be sure to also visit the Statistics ANet leader at the Involvement Fair on Saturday morning.

Presenter:

Rebecca Wong - West Valley College, Saratoga, CA

1:20 PM - 2:10 PM
Room: 212/213

M11: Quantitative Reasoning Academic Network Exchange (ANet)

This community focuses on identifying general topics covered in a liberal arts mathematics courses, by discussing issues related to the transferability, prerequisite skills, and correct student placement in these courses, by discussing the pedagogy related to delivery formats such as face to face, online, and blended classes as well as active learning strategies, by providing support to community college mathematics faculty in development of such courses, and by sharing best practices in teaching liberal arts mathematics courses.

Presenter:

Greg Foley (1998 Mathematics Excellence Award Recipient) - Ohio Univ, Athens, OH

1:20 PM - 2:10 PM
Room: 204/205

M12: International Mathematics Academic Network Exchange (ANet)

This community promotes global awareness by providing information on best practices and research studies regarding the teaching and learning of mathematics from around the world, creating professional development opportunities for the instruction of mathematics and statistics in a globalized context, sharing current information about international education conferences and online webinars, and facilitating the building of collaborations among mathematics educators, students, and organizations, who are interested in study abroad or professional exchange programs, global internships, volunteering, and service learning.

Presenter:

Barbara Leitherer - CC of Baltimore County, Baltimore, MD

1:20 PM - 2:10 PM
Room: 203

M13: Adjunct Faculty Issues Academic Network Exchange (ANet)

This community focuses to improve the status of adjunct faculty within two-year colleges, to disseminate and discuss information on issues that impact adjunct faculty at two-year colleges, to increase communication within the ANets to enhance professional networking and support systems for adjunct faculty at two-year colleges both inside and outside AMATYC, to provide greater professional development opportunities for adjunct faculty at two-year colleges, and to cultivate greater participation of adjunct faculty in AMATYC and its regional affiliates.

Presenter:

Pat Barrientos - El Paso CC, El Paso, TX

Created: August 2024
Revised: November 2024

1:20 PM - 2:10 PM
Room: 208/209

M14: Mathematics Pathways Academic Network Exchange (ANet)

This community provides a forum for the exchange of ideas, sharing of resources, and discussion of issues of interest involving Mathematics Pathways in public, primarily associate-degree granting colleges.

Presenter:
Alvina Atkinson – Georgia Gwinnett College, Lawrenceville, GA

1:20 PM - 2:10 PM
Room: 210/211

M15: Standards Team Committee Meeting

This committee focuses on promoting the AMATYC standards as well as maintaining the digital products to support those standards.

Presenter:
Mark Earley – Columbus State CC, Columbus, OH

1:20 PM - 2:10 PM EQ
Room: Galleria 2

S103: Dismantling Structural Inequities in Education

Inequity is embedded in our systems and processes. To achieve equity, disruption at both institutional and classroom levels is necessary. This session will explore research on structural racism, highlight examples of effective disruptions, and engage in a discussion on further strategies for achieving equity.

Presenters:
Carolynn Reed – Austin CC, Austin, TX
April Crenshaw (2023 Teaching Excellence Award Recipient) – Chattanooga State, Chattanooga, TN
Presider: Enrique Galindo – Association of Mathematics Teacher Educators, Bloomington, IN

1:20 PM - 2:10 PM PS, SM
Room: Galleria 7

S105: A Four-Prong Approach to Corequisite College Algebra Course Design

This presentation will demonstrate how a community college Associate Professor and Academic Coach implemented inclusive course design techniques in a four-prong approach to designing a corequisite college algebra course which includes flipped classrooms, academic coaches, intentional assessments techniques, and integrated student resources leading to improved success rates for under-prepared students.

Presenters:
Tina Ragsdale – West Kentucky CTC, Paducah, KY
Hubert Harris – West Kentucky CTC, Paducah, KY
Presider: Jonathan Gamez – Lone Star College - Kingwood, Houston, TX

2:30 PM

2:30 PM - 3:20 PM ST, TL
Room: Galleria 2

S107: Seeing the Statistical Connection Using YouTube and Google Scholar

In this session, you will explore how to use YouTube and Google Scholar to help students see the statistical connection between media and research. Participants will work together to brainstorm how to use these platforms to find relevant research articles and videos to enhance student engagement.

Presenter:
Keisha Lanier Brown – Georgia State Univ, Perimeter College, Dunwoody, GA
Presider: George Soliman – Raritan Valley CC, Branchburg, NJ

Created: August 2024
Revised: November 2024

2:30 PM - 3:20 PM MI, SM
Room: Galleria 3

S108: Ungrading: Metacognitive Adventures on the STEM Pathway

Ungrading has various definitions and formats. The most general description would be ways of involving students in their own assessment, opening things like outcomes, expectations, and grading rubrics to student input. Come experience how one instructor has developed and uses ungrading for portions of his STEM pathway courses.

Presenter:

Chris Oehrlein – Oklahoma City CC, Oklahoma City, OK

Presider: Tracy Jackson – Tulsa CC, Tulsa, OK

2:30 PM - 3:20 PM SM
Room: Galleria 4

S109: Developmental Math (Including Corequisites) Sharing Session

Are you teaching developmental-level content, either through corequisite or stand-alone developmental courses? If you're looking for innovative ideas to revitalize your curriculum and course delivery, then join members of AMATYC's Devevelopmental Math ANet to share ideas and resources. This session will dedicate time for both STEM-track and non-STEM courses.

Presenter:

Kim Granger – St. Louis CC - Wildwood Campus, Wildwood, MO

Presider: Amrit Thapa – Ohio Univ, Athens, OH

2:30 PM - 3:20 PM MI, TL
Room: Galleria 5

S110: LibreTexts Makes Creating Custom OER Math Textbooks Easy!

Learn to customize OER textbooks for math courses on the LibreTexts platform! See examples from Calculus and Differential Equations. LibreTexts includes a WYSIWYG content editor to easily edit textbook content, using LaTeX for math. You can add your own examples, exercises and figures, and even embed interactive figures using GeoGebra.

Presenter:

Paul Seeburger – Monroe CC, Rochester, NY

Presider: Ruth Trygstad – Salt Lake CC, Salt Lake City, UT

2:30 PM - 3:20 PM EQ, SM, TC
Room: Galleria 6

S111: Windows & Mirrors: Practices That Build Students' Math Identities

In a student-centered mathematics classroom, students should have the opportunity to see themselves as doers of mathematics (mirrors) as well as view real-world connections to mathematics (windows). Attend this session to learn practical strategies for fostering positive math attitudes and building and nurturing students' mathematical identities

Presenter:

Latrenda Knighten – National Council of Teachers of Mathematics, Baton Rouge, LA

Presider: Ajai Simmons – Lone Star College-University Park, Houston, TX

2:30 PM - 3:20 PM MN, PS, SM
Room: Galleria 7

S112: Interdisciplinary Collaboration in Quantitative Reasoning

An important feature of Quantitative Reasoning is situating mathematical and statistical work in realistic contexts, but where do we find those contexts? One of the most powerful ways to develop realistic scenarios for quantitative reasoning courses is through interdisciplinary collaboration. Processes and results of such collaboration will be shared.

Presenter:

Victor Piercey – Ferris State Univ, Big Rapids, MI

Presider: Gregory D. Foley – Ohio Univ, Athens, OH

2:30 PM - 3:20 PM IG, PD
Room: 203

S113: Informal Sit-Down with Published Authors

Have you always wanted to publish your work? Do you have an idea for a manuscript? Maybe an outline? Maybe a half-written paper? Regardless of where you are in the creative process, come sit down with published authors and learn about how to get your ideas in print.

Presenters:

Keith Nabb – Piedmont Virginia CC, Charlottesville, VA
Johanna Debrecht – Red Rocks CC, Lakewood, CO
George Alexander – Madison Area Technical College, Madison, WI

Presider: Vincent LoCascio – Santa Fe College, Gainesville, FL

Created: August 2024
Revised: November 2024

2:30 PM - 3:20 PM PD
Room: 204/205

S114: AMATYC 201: Leadership and Professional Opportunities Through AMATYC

This session will include information about the organization's structure and leadership opportunities. Bring your questions and join the fun organized for you by several current officers. Learn about your organization and the benefits provided to you by your membership in AMATYC.

Presenters:

Edouard Tchertchian - Los Angeles Pierce College, Woodland Hills, CA

Presider: Reena Tandon - St. Louis CC-Forest Park, Forest Park, MO

2:30 PM - 3:20 PM SM, TL
Room: 208/209

S115: Small Changes for Big Impact - Increasing Student Engagement

How can faculty motivate students to utilize success strategies? Seasoned faculty went in search of manageable changes to engage at-risk developmental and online students in taking ownership of their learning. Students are responding. Persistence is up. Come for the buffet of ideas and leave with a plan for sparking change.

Presenters:

Allison Sutton - Austin CC, Austin, TX
Colleen Hosking - Austin CC, Austin, TX

Presider: Siobahn Suppa - Stockton Univ, Galloway, NJ

3:40 PM

3:40 PM - 4:30 PM EQ
Room: Galleria 1

S116: On Our Minds: Applying an Equity Framework to Teaching Algebra

This presentation shares Gutiérrez's (2012) socio-political equity framework, which can be applied to teaching mathematics. Participants will learn how to apply this framework to their own teaching practices and investigate how this framework aligns with Thinking With Algebra (TWA), an NSF-funded curriculum project.

Presenters:

Natalie McGathey (2013 Project ACCCESS Fellow) - Prairie State College, Chicago Heights, IL
Sarah Cordell - Northeastern Illinois Univ, Chicago, IL

Presider: Tricia Van Brunt - Wake Technical CC, Raleigh, NC

3:40 PM - 4:30 PM PD, ST
Room: Galleria 2

S117: Putting the Standards Into Action

The Standards for Content, Standards for Pedagogy, and Standards for Intellectual Development are at the heart of AMATYC's mission. The recently approved updates should have people thinking about how to implement them in their teaching. Panelists will share implementation strategies for individual instructors as well as for departments.

Presenters:

Mark Earley - Columbus State CC, Columbus, OH
Karen Gaines - St. Louis CC, Kirkwood, MO
Julie Phelps - Valencia College, Orlando, FL

Presider: Christopher Riola - Moraine Valley CC, Palos Hills, IL

Created: August 2024
Revised: November 2024

3:40 PM - 4:30 PM PS
Room: Galleria 3

S118: Giving Students Choice: Multiple Measures in Math Placement

In this session, the presenter will review a multiple measures routine that was developed and used for two years at a regional university with a large percentage of students from low income or underperforming schools. Placement decisions and student outcomes will be shared, along with lessons learned in the process.

Presenter:

Elizabeth Leyva – Texas A&M Univ - San Antonio, San Antonio, TX

Presider: Miriam Harris-Botzum – Lehigh Carbon CC, Schnecksville, PA

3:40 PM - 4:30 PM ST, TL
Room: Galleria 4

S119: Transforming Intro Stats: Promoting Statistical Thinking With Applets

Introductory Statistics courses are often constrained by available technology – like calculators and spreadsheets – and by content that emphasizes procedural fluency above statistical thinking. Dynamic, freely available applets for data analysis, simulation-based and traditional inference, probability, and concept exploration promote student engagement and encourage statistical reasoning.

Presenter:

Daren Starnes – Statistics Education Consultant, Hilton Head, SC

Presider: Michelle Rich – Weber State Univ, Ogden, UT

3:40 PM - 4:30 PM SM, TL
Room: Galleria 5

S120: Math Under Attack: Investigating the Hidden Costs of Paid Cheating

Exploring the shadowy world of paid cheating services in mathematics, this presentation sheds light on the unknown costs of cheating (blackmail). Join this interactive session as a team of faculty and instructional designers, delve into the consequences and strategies to combat paid cheating.

Presenters:

Kimberly Hess – Polk State College, Lakeland, FL
Katie Ragsdale – Polk State College, Lakeland, FL

Presider: Gabriel Porrata Vallejo – National Louis Univ, Chicago, IL

3:40 PM - 4:30 PM PD, SM
Room: Galleria 6

S121: Active Learning to Help Students Transform Their Math Identities

Students often enter classes with challenging histories in math classes and negative feelings about their own math abilities. This session will feature discussion of how to help students transform their math identities through deliberate curricular and pedagogical choices that allow students to have active, positive experiences with mathematics.

Presenters:

Gregory Fein – CUNY Start (CUNY), New York, NY
Kevin Winkler – CUNY Start (CUNY), New York, NY

Presider: Luke Walsh – Catawba Valley CC, Hickory, NC

3:40 PM - 4:30 PM MI, SM
Room: Galleria 7

S122: Using Games, Pop-Culture, and Projects in Discrete Mathematics

Classroom ready (and tested) projects and activities for a discrete structures course will be shared, with a discussion of how these experiences support learning objectives for recursive functions, proof, generalization, computer applications, and logic. They'll keep mathematics on students' minds using comic book characters, cards, patterns and computer programming.

Presenters:

Carol Howald – Howard CC, Columbia, MD
Donna Noyes – Towson Univ, Towson, MD

Presider: Bukurie Gjoci – LaGuardia CC (CUNY), New York City, NY

3:40 PM - 4:30 PM SM
Room: 204/205

S123: "How to Be Wrong: The Power of Thinking About Mathematical Mistakes

Mathematics education in K12 does not leave much room for students to examine, think about, and learn from mistakes. This session will introduce strategies for giving students the opportunity to think critically about mistakes, using them to navigate through course concepts. Participants will collaboratively design these opportunities for students in their classes.

Presenter:

Peter Keep – Moraine Valley CC, Palos Hills, IL

Presider: Tracy Jackson – Tulsa CC, Tulsa, OK

Created: August 2024
Revised: November 2024

3:40 PM - 4:30 PM MN, SM
Room: 208/209

S124: Liberal Arts Math: Making it Meaningful and Enjoyable

Come learn about a Liberal Arts Mathematics course designed for student engagement and ownership of their learning. Participants will engage in several activities that focus on inquiry and analysis and help students become more engaged in not only learning math, but also seeing its usefulness and beauty!

Presenter:

Becky Groseth (2013 Project ACCCESS Fellow) - Anoka-Ramsey CC, Coon Rapids, MN

Presider: Lindsay Good - Saint Joseph's Univ, Lancaster, PA

Thank You

Special Contributions

Nikita Patterson, Atlanta LEC – for receiving, storing, and delivering conference items

Wiley – for providing the conference badge holders and sponsoring the Saturday Awards Breakfast

XYZ Homework – for providing the conference attendee bags

GMATYC – for local planning and support

AMATYC Southeast Region – for local support

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Wisconsin Mathematical Association of Two-Year Colleges (WisMATYC)

Created: August 2024
Revised: November 2024

8:15 AM

8:15 AM - 9:05 AM MI, MN
Room: 204/205

S125: The Number Line on My Mind and Reimagined
A task for all classes from Liberal Arts to Discrete Math, this interactive session will take a basic number line and expand it to explore number theory, special sequences, geometric representations of numbers, mathematics history, and of course Pascal's Triangle. You've never seen a number line like this!
Presenter:
Mike Long - Polk State College, Lakeland, FL
Presider: Fred Watts - Randolph CC, Asheboro, NC

8:15 AM - 9:05 AM SM
Room: 208/209

S126: Keeping Mathematics in Mind Through Collaborative Metacognition
Metacognitive activities that prompt students to retrieve knowledge that they have previously encoded have been shown to increase retention of mathematical knowledge as well as transfer of mathematical reasoning. This presentation will share how including collaboration in such metacognitive activities can increase engagement and student success.
Presenter:
Jason Farrington - Paradise Valley CC, Phoenix, AZ
Presider: Jessica Oehrlein - Fitchburg State Univ, Fitchburg, MA

8:15 AM - 9:05 AM SM, TL
Room: 210/211

S127: Leveraging the Power of Video Instruction
This session will provide many examples of how clips from popular movies, or memes, were used in live classes. There will also be a demonstration on how to make high quality videos using a variety of tools, and discussion on how best to integrate them into a variety of course structures.
Presenter:
Jason Gregersen - Michigan Technological Univ, Houghton, MI
Presider: Veon Stewart - AdventHealth Univ, Orlando, FL

8:15 AM - 9:05 AM IG, PD, TL
Room: 212/213

S128: The Virtually Organized Academic
Are you drowning in files, scrambling to meet deadlines, and struggling to find relevant information? This talk offers practical strategies to help you manage your digital workload and maximize your productivity. Please bring a device to work along!
Presenter:
Gabriel Porrata Vallejo (2018 Project ACCCESS Fellow) - National Louis Univ, Chicago, IL
Presider: Carol Howald - Howard CC, Columbia, MD

9:25 AM

9:25 AM - 10:15 AM TC, TL
Room: 204/205

S129: Getting Hands On Mathematics Using Manipulatives
Participants will learn about concrete versus virtual manipulatives as used with K-5 pre-service teachers. Participants will interact with both, and compare the two in terms of pros and cons. Attendees should bring a tablet or laptop, if possible.
Presenter:
Nikita Patterson - Georgia State Univ, Perimeter College, Clarkston, GA
Presider: Casey Clark - Gallatin College, Bozeman, MT

9:25 AM - 10:15 AM IG, SM
Room: 208/209

S130: Agree to Disagree: Open-Ended Problems in the Math Classroom
Math has the reputation of being "black and white," with most students believing there is only one correct answer or solution strategy. This presentation will share examples of open-ended exercises that can be shared with college students to develop perseverance, critical thinking, and logical reasoning within any math classroom.
Presenter:
Dan Van der Vieren (2023 Project ACCCESS Fellow) - Aims CC, Greeley, CO
Presider: Rusandica Manole - Georgia State Univ, Perimeter College, Dunwoody, GA

Created: August 2024
Revised: November 2024

9:25 AM - 10:15 AM MI, SM, TL
Room: 210/211

S131: Let's Col-Lab! Group Labs in Online Calculus Course

A common obstacle in online courses is lack of interaction amongst students. Online group work comes with obstacles, but research shows that collaborative learning has numerous benefits. Explore how students can dialogue with classmates to solidify discoveries using tools such as guided conversations and discussion boards.

Presenter:
Lorisha Riley – Santa Fe College, Gainesville, FL
Presider: Brittany Mosby – Tennessee Higher Education Commission, Nashville, TN

9:25 AM - 10:15 AM PD
Room: 212/213

S132: Fostering Collaboration Through Continuous Improvement Systems

Continuous improvement systems engage instructors in analyzing student learning to store and share knowledge of effective classroom tasks and teaching methods. This session will promote ways to create these kinds of systems to foster collaboration while valuing the knowledge of both experienced and beginner instructors. Laptop recommended, but not required.

Presenter:
Siobahn Suppa – Stockton Univ, Galloway, NJ
Presider: Oscar Villalobos – Santiago Canyon College, Orange County, CA

10:30 AM

10:30 AM - 11:15 AM
Room: 210/210

S133: Closing Session

Help us celebrate a great conference by reflecting on the past three days. Attend and share your conference memories. Learn about ways to get involved in AMATYC. President George Hurlburt will facilitate the discussion. See you next year in Reno for *The Biggest Little Math Conference in the World!*

Presenter:
George Hurlburt – AMATYC President

Created: August 2024
Revised: November 2024

2:00 PM - 4:00 PM MI, SM
Room: Salon / Exhibit Hall

P01: Using Essay Assignments in Precalculus to Gauge Student Understanding

To motivate students into understanding the math beyond the symbols on a page, essay assignments were introduced into the curriculum. Were the essays beneficial to students' understanding?

Presenter:
Benjamin Listhartke (2023 Project ACCCESS Fellow) - Metropolitan CC - Longview, Lee's Summit, MO

2:00 PM - 4:00 PM SM
Room: Salon / Exhibit Hall

P02: Exploring Students' Sense of Belonging in an Online Math Class

This poster will present the results from using several interventions to improve students' sense of belonging and perceptions of group work in an online precalculus algebra course.

Presenter:
Brooke Outlaw (2023 Project ACCCESS Fellow) - Wake Technical CC, Raleigh, NC

2:00 PM - 4:00 PM SM
Room: Salon / Exhibit Hall

P03: Pre- and Post- Assessment Positives

This poster will examine how pre- and post-assessments influence both student confidence and academic performance.

Presenter:
Heather Collins (2023 Project ACCCESS Fellow) - College of Southern Maryland, LaPlata, MD

2:00 PM - 4:00 PM EQ, IG, SM
Room: Salon / Exhibit Hall

P04: Culturally Responsive Activities in College Algebra

This poster presents student responses to the introduction of culturally responsive to a college algebra course at the community college level. Metrics measured include self-reported engagement with, understanding of, and interest in the material before and after using these activities.

Presenter:
Jamie Ryan (2023 Project ACCCESS Fellow) - Pima CC, Tucson, AZ

2:00 PM - 4:00 PM MN, SM
Room: Salon / Exhibit Hall

P05: Test Anxiety in Mathematics: Insights from College Students

This poster will include college students' experiences regarding test anxiety from introductory in-person math classes. Through two surveys and a one-on-one session before the second exam, test anxiety in mathematics will be explored. Insight can be gained on if one-on-one meetings with the instructor can help alleviate test anxiety.

Presenter:
Kaylee Tuttle (2023 Project ACCCESS Fellow) - Western Wyoming CC, Rock Springs, WY

2:00 PM - 4:00 PM SM, TC
Room: Salon / Exhibit Hall

P06: Flipped Classroom & Math For the Trades

Students learning a trade or earning a technical certificate often prefer hands-on learning over a traditional classroom setting. A flipped-classroom model with interactive activities was implemented in their math class. Overall student performance and student feedback were used to analyze its effectiveness.

Presenter:
Christine Langer (2023 Project ACCCESS Fellow) - Ivy Tech CC, Richmond, IN

2:00 PM - 4:00 PM MI, SM
Room: Salon / Exhibit Hall

P07: Commonplace Books in Calculus II

The instructor asked Calculus II students to create commonplace books as a project, hoping to encourage students to spend more time and deeper thought on selected topics. Instructors often can only dedicate one lecture to a topic, so students do not have the chance to spend significant time exploring mathematics.

Presenter:
Katie Evans (2023 Project ACCCESS Fellow) - Truckee Meadows CC, Reno, NV

2:00 PM - 4:00 PM EQ, MN
Room: Salon / Exhibit Hall

P08: Alternative Grading in College Algebra: Is it Successful?

Exam anxiety in mathematics takes many opportunities away from students to really show their potential. What if grading was changed and alternatives were explored that allow students to showcase their learning in different ways? In this poster, grading based on the learning objectives for the course will be discussed.

Presenter:

Marggie Gonzalez-Toledo (2023 Project ACCCESS Fellow) - Frederick CC, Frederick, MD

2:00 PM - 4:00 PM SM
Room: Salon / Exhibit Hall

P09: Tackling Math Anxiety in Developmental Mathematics Courses

Anxiety is a common issue in math courses, especially in developmental math. Math anxiety can often be most explicitly seen when students are taking tests. In this poster, productive and efficient study habits for students will be discussed, as well as, mindfulness techniques to reduce anxiety when taking math tests.

Presenter:

Scott Brewer (2023 Project ACCCESS Fellow) - Metropolitan CC - Omaha, Omaha, NE

2:00 PM - 4:00 PM PS, SM, TL
Room: Salon / Exhibit Hall

P10: Utilizing Desmos to Foster Engagement in Intermediate Algebra Classes

This presentation will explore the results of using Desmos Activities as a means to increase student engagement and understanding in an Intermediate Algebra classroom. The investigation will draw conclusions based on such metrics as attendance, exam scores, and qualitative feedback.

Presenter:

Rebecca Claxton (2023 Project ACCCESS Fellow) - Raritan Valley CC, Branchburg, NJ

2:00 PM - 4:00 PM MN, SM
Room: Salon / Exhibit Hall

P11: Increasing Student Collaboration and Engagement in Algebra Classes

Converted individual unit projects into a combined capstone project to be completed by a team of 2-3 classmates. The purpose of this change is to encourage student engagement in the project portion of assigned homework and to encourage student collaboration and teamwork when exploring and learning fundamental mathematics.

Presenter:

Cynthia Goodman (2023 Project ACCCESS Fellow) - University of New Mexico Valencia, Los Lunas, NM

2:00 PM - 4:00 PM EQ, SM
Room: Salon / Exhibit Hall

P12: Re-envisioning Precalculus: A Productive Failure

This poster will explore two stages of transitioning a precalculus class to include more guided-inquiry activities to replace lecture time. The focus will be on what did not work and how to adjust and improve the activities for future classes.

Presenter:

Beth Rawlins (2023 Project ACCCESS Fellow) - Oklahoma City CC, Oklahoma City, OK

2:00 PM - 4:00 PM EQ, IG, MN
Room: Salon / Exhibit Hall

P13: Culture & Mathematics in a Study Abroad Course

This presentation explores the experiences of students' enrolled in a study abroad mathematics course in Ireland and its impact on cultural competency and mathematical understanding.

Presenter:

Breanne Hooks (2023 Project ACCCESS Fellow) - Santa Fe College, Gainesville, FL

Created: August 2024
Revised: November 2024

2:00 PM - 4:00 PM EQ, SM
Room: Salon / Exhibit Hall

P14: Does Vertical Learning Increase Student Engagement in College Algebra?

Do you want to increase student engagement in your corequisite college algebra class? Have you tried vertical learning? This poster session will explore the results of teaching corequisite college algebra using vertical learning techniques as described in the book "Building Thinking Classrooms" by Peter Liljedahl.

Presenter:

Mary Guzman (2023 Project ACCCESS Fellow) - Frederick CC, Frederick, MD

2:00 PM - 4:00 PM SM, TL
Room: Salon / Exhibit Hall

P15: Promoting Student Engagement in the Online Asynchronous Classroom

This study compares the experiences and outcomes of students in online asynchronous Quantitative Reasoning courses. Assignments and assessments were identical, but the test group engaged in community building activities. The goal is to determine if community building is effective in improving outcomes and student engagement in an online asynchronous classroom.

Presenter:

Aja Shabana (2023 Project ACCCESS Fellow) - Connecticut State CC - Middlesex, Middletown, CT

2:00 PM - 4:00 PM IG, SM, TC
Room: Salon / Exhibit Hall

P16: Journaling in Mathematics

Often students view mathematical concepts as disjointed parts of information with little connection. While the study of mathematics requires a firm grasp of definitions, it is equally important to see the picture at large and to find any connections to past/future math or non-math topics or any real-world situations.

Presenter:

Maria Cristina Bucur (2023 Project ACCCESS Fellow) - Harrisburg Area CC, Hanover, PA

2:00 PM - 4:00 PM MN
Room: Salon / Exhibit Hall

P17: Gardening and Landscaping Integrated With Mathematics

This session introduces a unique way for non-STEM students to appreciate and apply mathematics to the real world. Pictures of completed gardening and landscaping projects were presented to students during a course as an introduction, followed by hands-on activities.

Presenter:

Alberto Isassi (2023 Project ACCCESS Fellow) - El Paso CC, El Paso, TX

2:00 PM - 4:00 PM MI, MN, SM
Room: Salon / Exhibit Hall

P18: The Impact of Activity Based vs Non-Activity Based Class

The project will record the impact of activity-based vs non-activity-based class. The two classes in consideration are Intermediate Algebra classes. One of the classes meets 5-day a week and spends time on hands-on activities along with regular lectures whereas the other class meets 3-day a week is a lecture-based class.

Presenter:

Ruchika Gulati (2023 Project ACCCESS Fellow) - Johnson County CC, Kansas City, KS

2:00 PM - 4:00 PM IG, SM, TC
Room: Salon / Exhibit Halll

P19: Math Journals: Students Recognizing and Celebrating Math

Students usually self-identify as struggling in math and/or having math anxiety in Math for Teachers courses. Students were assigned a semester-long, journaling project to record and celebrate examples of mathematics in their own lives. Samples of student work are presented with observed changes in student mindsets discussed.

Presenter:

Nicole Sullivant (2023 Project ACCCESS Fellow) - Central New Mexico CC, Albuquerque, NM

Created: August 2024
Revised: November 2024

2:00 PM - 4:00 PM EQ, SM
Room: Salon / Exhibit Halll

P20: Grading For Growth

What if students used assessments and feedback to promote their learning? Over the last year, the use of an alternative grading system has celebrated mistakes, focused on feedback, valued growth over time, and allowed grading to be an extension of teaching.

Presenter:
Drew Boso (2023 Project ACCCESS Fellow) - Northwood Technical College, Ashland, WI

2:00 PM - 4:00 PM PD, SM
Room: Salon / Exhibit Hall

P21: From Seat to Feet-Engaging Students

Presenting a semester long exploration beyond the confines of traditional direct instruction as students engaged in collaborative work at the whiteboard. Discover the successes, challenges, and insights gleaned from this endeavor. Your feedback and ideas are welcomed.

Presenter:
Shannon Benes (2023 Project ACCCESS Fellow) - Johnson County CC, Overland Park, KS

2:00 PM - 4:00 PM MN, SM, TC
Room: Salon / Exhibit Hall

P22: Real Numbers to "Real World": Building Context for Liberal Arts Math

Math for the Liberal Arts is often taken by students pursuing non-stem careers. With this in mind, instructors must use pedagogical strategies and design activities to keep students engaged. This presentation will analyze a curricular design emphasizing real-world connections as well as address students' mathematical mindsets across the course duration.

Presenter:
Dan Van der Vieren (2023 Project ACCCESS Fellow) - Aims CC, Greeley, CO

2:00 PM - 4:00 PM PS, SM
Room: Salon / Exhibit Hall

P24: Transition From High School to College Mathematics

The objective of the study was to examine the beliefs of incoming freshman students. One hundred twenty, first semester college students were asked to write anonymously about their perceived differences and similarities between the mathematics instruction they received in high school and the instruction they received in college.

Presenters:
Berhanu Kidane - Univ of North Georgia, Watkinsville, GA
Christopher Serkan - Univ of North Georgia, Watkinsville, GA

2:00 PM - 4:00 PM IG, SM
Room: Salon / Exhibit Hall

P25: Student Success Initiatives That Work

In an effort to increase student success rates the mathematics faculty incorporated student success strategies in each course regardless of modality or term length. Participants will investigate these and other strategies as well as explore more possibilities.

Presenter:
Christine Mirbaha - CC of Baltimore County, Baltimore, MD

2:00 PM - 4:00 PM ST, TL
Room: Salon / Exhibit Hall

P26: Accessing Learning Aids During Online Examination and Student Success

The COVID-19 pandemic prompted a global shift to online education. Recognizing the pivotal role of mathematics learning aids, a study explored their impacts on student success in statistics online class. Revised sections included learning aids during exams. Analysis revealed that allowing learning aids did not significantly influence exam scores.

Presenter:
Serine Ndiaye (2018 Project ACCCESS Fellow) - Borough of Manhattan CC, New York, NY

Created: August 2024
Revised: November 2024

2:00 PM - 4:00 PM RG
Room: Salon / Exhibit Hall

P29: An Interdisciplinary Problem-Based STEM Curriculum: NSF S-STEM Project

The INSPIRE program, funded by NSF, enhances STEM education through an interdisciplinary, problem-based curriculum. It integrates student teams across disciplines, focusing on research, design, and entrepreneurship. This approach addresses real-world problems, fosters innovation, and promotes collaboration while reducing faculty workload and preparing students for future careers.

Presenter:

Vinodh Kumar Chellamuthu (2017 Project ACCCESS Fellow) - Utah Tech Univ, Saint George, UT

2:00 PM - 4:00 PM PD
Room: Salon / Exhibit Hall

P30: AMATYC Webinar - Time to Share!

Highlight and information for AMATYC Webinars Professional Development. Answer questions and handout with QR code to the AMATYC Webinar website.

Presenter:

Mari Menard - Lone Star College-Kingwood, Kingwood, TX

2:00 PM - 4:00 PM PD, TL
Room: Salon / Exhibit Hall

P31: Is Project ACCCESS On Your Mind? It Should Be!

AMATYC Project ACCCESS is a mentoring and professional development initiative for early-career faculty teaching mathematics in the first two years of college. The project's goal is to provide experiences and networking that will help faculty become more effective teachers, as well as active members of the broader mathematics community.

Presenter:

Lisa Feinman (2012 Project ACCCESS Fellow) - CC of Baltimore County, Catonsville, MD

Created: August 2024
Revised: November 2024

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50th Annual Conference • Register online at www.amatyc.org

If registering using the **Institutional Membership**, do not use this form. Instructions on how to register online have been emailed to the contact person at your institution. Call the AMATYC Office at 901.333.5643 if you have any questions.

☐ Check here if this is your first AMATYC conference (see page 62 for details). If first conference, you are encouraged to attend "AMATYC 101" (S001A/B). If you qualify, are an AMATYC member, and are registering prior to the end of the discount registration period, select registration item B on the next page.

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ADA Accommodations/Dietary Restrictions: See page 65-66 for instructions.

Registration Method	Discount Registration	Regular Registration	On-Site Registration
MAIL (3 pages) using check or credit card ***Payment must accompany purchase order.***	Registration AND payment must be postmarked BY September 30, 2024.	Registration AND payment postmarked AFTER September 30, 2024. Registrations sent by mail **must be postmarked** by October 18, 2024.	Registrations sent by mail **must be postmarked** by October 18, 2024. After this date it will be necessary for attendee to bring form and payment with them and register on-site.
ONLINE using a credit card	Registration AND credit card information must be completed BY October 7, 2024.	Registration AND credit card information completed AFTER October 7, 2024.	
FAX (3 pages) to 901.333.5651 using a credit card	Registration AND credit card information must be completed BY October 7, 2024.	Registration AND credit card information completed AFTER October 7, 2024. Please do **not** fax form and credit card information after October 18, 2024.	Please do **not** fax form and credit card information after October 18, 2024. It will be necessary for attendee to bring form and payment with them and register on-site.
IN PERSON using cash, check, or credit card	Not applicable	Not applicable	Register in person on-site and pay regular rate.

Purchase Orders and Receipts: AMATYC accepts a purchase order **ONLY** if it is accompanied by payment. Every registration form received in the AMATYC Office or completed online will receive an email receipt. If you do not receive an email receipt, contact the AMATYC Office.

Refund Policy: A refund of 100% of your registration fee less a $25 service fee will be given upon receipt of a written request postmarked by **October 30, 2024**. A 50% refund less a $25 service fee will be given if your written request is **postmarked on or after October 31, 2024, and by November 13, 2024**. NO refunds will be given for requests **postmarked on or after November 14, 2024**. NO refund will be given for membership dues. Requests for return of overpayments must be in writing and received by the AMATYC Office no later than December 15, 2024. All requests should be sent to the AMATYC Office. Refunds for registration fees will be processed two to four weeks after the conference according to the refund policy outlined above. Exceptions to this policy may be approved in some extenuating circumstances. Please email the AMATYC Office, amatyc@amatyc.org, for more information.

If you have any questions, please contact the AMATYC Office at 901.333.5643 or by email at amatyc@amatyc.org.

Send completed registration form (3 pages) with payment to
AMATYC, 5983 Macon Cove, Memphis, TN 38134

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Created: August 2024
Revised: November 2024

A. DUES

To be eligible for the member registration rates, membership must be current. Current members with an expiration date of 11/17/2024 or earlier, must renew their dues before registering for the conference in order to take advantage of the member registration rate. Anyone who joins AMATYC may select the member registration rates. If you are not sure of your membership status, please contact the AMATYC Office at 901.333.5643 or amatyc@amatyc.org for assistance.

Check one	Member Types	Rates
	Individual Membership - One year	$111
	Individual Membership - Two years	$217
	Individual Membership - Three years	$318
	Individual Membership - Lifetime	$2,220
	Adjunct Membership	$56
	Retired Membership	$56
	Associate (Students who are not mathematics educators)	$10
	Institutional — For information, please contact the AMATYC Office at 901.333.5643.	

NOTE: If the following message - *Your membership is current and does not expire.* - appears under the Membership Information section of your record in the AMATYC database, **please disregard**. This is not a correct reflection of your membership status. In order to check your membership status to determine which category you are eligible for, click on "Profile Home." Located underneath your name will be your current membership type, e.g. Individual, Adjunct, Retired, Lifetime, Non-member, etc.

No refunds are given for membership dues.

SUBTOTAL A _____

B. REGISTRATION

Persons with current AMATYC membership are eligible to use Categories A, B, D, F, or G. Individuals who join or renew their membership with conference registration are also eligible to use Categories A, B, D, F, or G. Retirees are eligible to use Category F. Adjuncts are eligible to use Category G. Registrants who select Categories A, B, D, F, or G, but whose membership cannot be verified as current will be required to either (1) pay non-member rates shown in Categories C or E or (2) join AMATYC and pay membership dues before their registration can be processed. Persons attending for the first time who are AMATYC members and who register by the Discount Registration deadline are eligible to use Category B.

Check one		***Payment must accompany registration form. (Payment must accompany a purchase order.) Fax and Web registration payment must be by credit card.***	Make appropriate selection(s) where applicable	**Discount Registration** Postmark by Sept. 30 or via Web or Fax by Oct. 7	**Regular Registration** Postmark after Sept. 30 or via Web or Fax after Oct. 7
	A	Registration, Current AMATYC Member	Select meals on next page	$465	$505
	B	Registration, Current AMATYC Member AND FIRST-TIME ATTENDEE	Select meals on next page	$415	Not Available
	C	Registration, NON-Member, not joining at this time or lapsed member, not renewing at this time (this rate does **not** include membership)	Select meals on next page	$601	$641
	D	Registration, Current AMATYC Member, SINGLE-DAY Attendee	○Thu ○Fri ○Weekend NO meals included; may purchase meal for day selected on next page	$175	$215
	E	Registration, NON-Member or lapsed member, SINGLE-DAY Attendee	○Thu ○Fri ○Weekend NO meals included; may purcahse meal for day selected on next page	$200	$240
	F	RETIREE Registration, Current AMATYC Member	NO meals included; purchase meals on next page	$235	$275
	G	ADJUNCT Registration, Current AMATYC Member	Select meals on next page	$310	$350
		STUDENT Registration: Please contact the AMATYC Office for more information regarding member-sponsored student registration rates.			

SUBTOTAL B _____

Photo/Video Release

Photographs and video will be taken during this event. These photographs and video may be used on the web, in printed materials, or on social media as deemed appropriate by the organizers of the event. If you do not wish to have your image published, please notify the AMATYC Office in writing no later than a week after the end of the 2024 AMATYC Annual Conference in Atlanta.

☐ **I have read and understand AMATYC's photo/video release policy**

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Created: August 2024
Revised: November 2024

C. FOOD EVENTS

Registrant (Full conference or Adjunct)*

*If you register for the full conference or adjunct rate and do not make a meal selection, you will automatically be assigned a non-vegetarian meal.

Regional Meetings & Lunch — Friday, November 15, Meal served 11:45 am – Noon
Awards Breakfast — Saturday, November 16, Meal served 7:45 am – 8:00 am

Select one: ☐Non-vegetarian ☐Vegetarian ☐Vegan ☐Gluten-free ☐Gluten-free vegetarian ☐Gluten-free vegan

Dietary restrictions:_____

For Purchase (Guest of registrant, Single-day registrant*, or Retiree registrant)

*A single-day registrant may purchase a meal for the day of attendance only (if applicable).

Regional Meetings & Lunch — Friday, November 15, Meal served 11:45 am – Noon ____tkts. @ $95/ea. $_____
Awards Breakfast — Saturday, November 16, Meal served 7:45 am – 8:00 am ____tkts. @ $84/ea. $_____

Select one: ☐Non-vegetarian ☐Vegetarian ☐Vegan ☐Gluten-free ☐Gluten-free vegetarian ☐Gluten-free vegan

Dietary restrictions:_____

SUBTOTAL C _____

D. DONATION to the AMATYC Foundation

Please consider making a donation to the AMATYC Foundation. Anyone making a donation from January 2024 through the close of registration, Friday, November 15, 2024, is eligible to enter the drawings for three prizes. The prizes are (1) a complimentary discount member conference registration for Reno or a three-year membership, (2) a two-year membership, and (3) a one-year membership.

☐ Developmental Mathematics	$_____	☐ Project ACCCESS	$_____
☐ Foundation Endowment	$_____	☐ Regional Scholarship Program	$_____
☐ General Development*	$_____	☐ Research in Mathematics Education for Two-Year Colleges	$_____
☐ Grants	$_____	☐ Standards	$_____
☐ Leila & Simon Peskoff Award	$_____	☐ Student Mathematics League	$_____
☐ Margie Hobbs Award	$_____	☐ Student Research League	$_____

**If a fund is not selected the donation will be placed in General Development.*

SUBTOTAL D _____

PAYMENT METHOD (AMATYC Tax ID #11-2531258)

SUBTOTAL A _____ + SUBTOTAL B _____ + SUBTOTAL C _____ + SUBTOTAL D _____ = TOTAL _____ (USD)

By Check (Select one) ☐College/Institution ☐Personal Check #_____ (Make payable to AMATYC; U.S. funds only)

By Credit Card (Select one) ☐College/Institution ☐Personal (Select type) ☐American Express ☐Discover ☐MasterCard ☐Visa

Name as Appears on Card (please print)_____

Billing Address for Card_____

City/State/Zip_____

Credit Card Number_____ Expiration Date_____

Signature_____

The Cardholder stated above has authorized this payment. Cardholder re-authorization will be required. In the event that a consent agreement must be modified, the new agreement will be sent to the email address associated with the invoice.

☐ **The Cardholder understands the terms and authorizes the payment.**

For AMATYC's planning purposes, please tell us when you plan to stop by the AMATYC Registration Desk to pick up your materials:

☐ Wednesday, November 13 (4:00 pm – 8:00 pm)	☐ Thursday, November 14 (7:00 am – 6:00 pm)	☐ Friday, November 15 (7:00 am – 4:00 pm)	☐ Saturday, November 16 (7:00 am – 8:00 am, 10:00 am – noon)

✧✧Single-Day registration materials are available for pick up **on the day** for which the registration applies.✧✧

(You are not committed to pick up your materials on the day selected. AMATYC will use this information to plan staffing at the registration desk.)

Created: August 2024
Revised: November 2024

Hotel Information

The 50th AMATYC Annual Conference begins Thursday, November 14, 2024, at the Hilton Atlanta.

A block of guest rooms at reduced rates has been reserved at the Hilton Atlanta until Monday, October 21, 2024, or until AMATYC's room block is sold out, whichever comes first. Any unreserved rooms may be released for sale to the general public after this date. AMATYC members have often purchased all available rooms, so make your reservations early! **Be sure to mention that you are attending the AMATYC Conference** if making your reservation by phone. Reservations can be made at the link on the AMATYC website, the link listed below, or by calling the hotel at the number listed below.

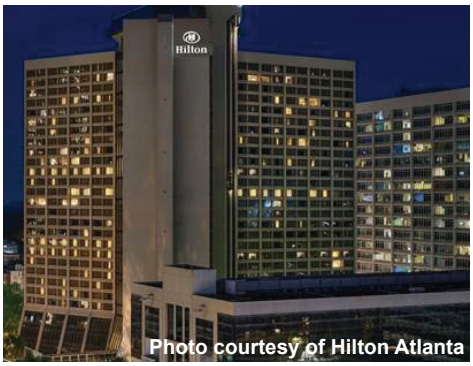

Photo courtesy of Hilton Atlanta

Hilton Atlanta

255 Courtland St. NE • Atlanta, GA 30303
Reservations: 877.667.7210 (Code: AMA)
Reservations (online): https://book.passkey.com/go/AMATYC24

Room Rates* (per night, includes Internet)

• Single/Double $199 • Triple $224 • Quad $249
Children 18 years or younger will stay free of charge in their parent's room.

Check-in: 3:00 pm Check-out: 11:00 am

**Rooms are subject to applicable state and local taxes, fees, and assessments of 16.9% per room per night (subject to change). In addition, the Georgia State Hotel-Motel Fee of $5 per room per night will be applied.*

Hotel Deposit/Fees: A deposit equal to one night's stay is required to hold each individual's reservation. Personal check, money order or a valid American Express, Visa, MasterCard, Diners Card number and expiration date or a guarantee to the master account are acceptable. Should a guest cancel a reservation, the deposit will be refunded if notice is received at least 72 hours prior to 3:00 pm on the date of arrival, and a cancellation number is obtained.

Roommate Service

Those wishing to participate in sharing a room with one, two, or three other conference attendees can participate in AMATYC's Roommate Network. **Go to https://amatyc.org/2024ConfHome and select Roommate Request Form. Complete the form no later than October 1, 2024.** You will be notified within two business days if your request has been received. If you do not receive such an email acknowledgement, contact Sarah Miller at smiller10@ccbcmd.edu.

The process will involve putting you in touch with another AMATYC member (or members) wishing to share a room. It will be up to you to finalize the arrangement and send an acknowledgement to Sarah.

Note: The roommate service does not make hotel reservations, so it would be very helpful if you already have one, even if one of the roommates may have to process a cancellation. Also, when making a reservation with one or more roommates, be sure to provide the hotel with the names and contact information of all individuals staying in the room.

Parking*

The Hilton Atlanta has self-parking on-site for $35 per day and valet parking for $55 per day. Valet parking is required for oversized vehicles. (*Every effort has been made to provide the correct rates. Please check with the hotel for up-to-date rates at the time of the conference.)

Wireless High-Speed Internet Service (WiFi)

Complimentary WiFi will be available in all guest rooms booked in the AMATYC block of rooms and in all meeting spaces.

Created: August 2024
Revised: November 2024

For Your Information

Conference Information

Conference App

This digital program is provided as your guide for planning your conference activities. All presentations listed are subject to change. A more detailed program will be available on our conference app, Whova. You can download Whova any time at the App Store or Google Play. Watch the email you used to register for the conference for an announcement about when this year's AMATYC conference app is ready.

Registration Information

Registration

The conference registration fee includes admission to all concurrent sessions and workshops, general sessions, and ANet meetings, commercial presentations, and the exhibits. Also included are the Friday lunch and regional meetings and the Saturday morning breakfast.

To qualify for the discount registration rates of $465 member and $601 non-member, **registration forms must be postmarked, if submitted via mail, on or before September 30, 2024. If submitted via the web or faxed, the completed registration form must be received on or before October 7, 2024.** After these dates, registration will continue at the regular registration rate of $505 (member) and $641 (non-member). Registrations sent by mail must be postmarked on or before October 18, 2024, in order to be processed prior to the start of the conference.

Every registration form postmarked by or faxed/emailed by October 18, 2024, will receive an email receipt. If you do not receive an email, contact the AMATYC Office.

On-site registration will be available at the regular rate ($505 member and $641 non-member). See below or on the back page for the days and times the registration booth will be open.

At the conference registration desk, you will receive your name badge, meal tickets, and other items. **Name badges must be worn at all AMATYC functions and conference activities.**

First-Time Attendee (FTA) Discount

If you have never attended an AMATYC conference **and** are an AMATYC member, you are eligible to apply a $50 credit toward the full discount conference registration fee. **This credit is only available during the discount registration period.** Be sure you check the box at the top of the registration form or at the beginning of the online registration process. *[This credit is only available to a first-time conference attendee who is an AMATYC member and is not transferrable to any other person.]* If you are not sure you qualify for this credit, email the AMATYC Office at amatyc@amatyc.org to verify.

Single-Day Registration

AMATYC offers a single-day registration to accommodate local adjunct faculty and for others unable to attend the entire conference. Those selecting this option must register for and choose **ONE** of the following options: Thursday only OR Friday only OR Weekend (Saturday/Sunday) only. **This rate may be used only one time and is not eligible for the first-time attendee discount.** For single-day registration rates, see the registration form on pages 58-60.

The single-day registration includes admission to all concurrent sessions and workshops, general sessions, ANet meetings, commercial presentations, and the exhibits for the specified day. Single-day registration **does not** include either the lunch on Friday or breakfast on Saturday, but either the Friday regional meetings or the Saturday awards session are open to all registrants for the day on which they are registered. Single-day registrants may purchase special function tickets at the guest ticket price to attend the meal function for that day.

Single-day registration materials are available for pick up at the registration counter on the day for which the registration applies.

Accepted Forms of Payment

AMATYC accepts payment by check, Visa, MasterCard, American Express, and Discover. Payment **must** accompany a purchase order. If paying by check, please make payable to AMATYC (U.S. funds only).

ADA Accommodations/Dietary Restrictions/Nursing Mothers

AMATYC is committed to serving all conference attendees who have disabilities and adheres to the guidelines set forth in the Americans with Disabilities Act (ADA). Attendees with disabilities requiring special accommodations or dietary restrictions should contact Beverly Vance at bvance@amatyc.org before October 18, 2024.

For nursing mothers, your hotel room will be accessible via elevator. If you have additional needs, please contact Beverly Vance at bvance@amatyc.org.

Exhibitors

Exhibitors who are not also registered as conference participants are invited to attend any session or workshop provided seats are available after all AMATYC registrants are seated.

Registration Refund Policy

Refunds for registration fees may be requested in writing according to the following schedule. No refunds, however, are given for membership dues.

A refund of 100% of your registration fees less a $25 service fee will be given upon receipt of a written request postmarked by October 30, 2024. A 50% refund less a $25 service fee will be given if the written request is postmarked on or after October 31, 2024, and by November 13, 2024. No refunds will be given for requests postmarked on or after November 14, 2024. No refund will be given for membership dues. Requests for return of overpayments must be in writing and received by the AMATYC Office no later than December 15, 2024. Refunds for registration fees will be processed approximately two to four weeks after the conference as per the refund policy. Exceptions to this policy may be approved in some extenuating circumstances.

On-site Conference Registration

Hilton Atlanta

AMATYC Registration Desk — Group Registration (1st floor)

Wednesday, November 13	4:00 pm - 8:00 pm
Thursday, November 14	7:00 am - 6:00 pm
Friday, November 15	7:00 am - 4:00 pm
Saturday, November 16	7:00 am - 8:00 am
Saturday, November 16	10:00 am - Noon

Created: August 2024
Revised: November 2024

Please email the AMATYC Office, amatyc@amatyc.org, for more information. This refund policy is also applicable to registrants for a single-day registration.

Guests of Attendees

Guests are always welcome at AMATYC conferences. They can be registered at no cost provided the guest is not a mathematics educator and is accompanied by a conference registrant. Guest registration does not include attendance at the special functions: Friday Lunch or Saturday Awards Breakfast. Special function tickets may be purchased for your guests.

Policy Related to Guests of Attendees at AMATYC Events

General Policy

AMATYC is a professional organization for mathematics educators, and AMATYC events must serve these educators. AMATYC welcomes family members of its event attendees, as registered guests, at these events, and recognizes that these events may be a positive experience for them.

To ensure that AMATYC events meet attendee expectations that include a pleasant and productive professional development activity, attendees are responsible for their guests' behavior.

In particular, guests who are minors must be accompanied by the responsible attendee parent or guardian at all times. Attendee parents and guardians should take appropriate steps to ensure that their child's behavior does not disrupt other attendees, or infringe on their rights to the quality professional development activity they expect and for which they have paid.

Any guest should never prevent access to a session for a professional attendee – particularly, in a case of limited seating availability, materials availability, etc., professional attendees have priority. Children should not normally be in sessions. Exceptions might include when the child is related to the presenter and the child might benefit by being present.

Event officials are empowered and instructed to enforce these rules by taking all actions necessary to control disruptive or nuisance behavior.

Many hotels provide recommendations for in-room child care for guests. Call the hotel as early as possible for service. Arrangements represent a contractual agreement between the individual and the child-care provider. AMATYC assumes no responsibility for the services rendered.

AMATYC-Supplied Computer and Internet Access at AMATYC Events

Guests may only use equipment where permitted by the event officials in charge of that equipment and where such use does not hinder access to the equipment by professional registrants. In addition, guests who are minors may have Internet access only if they are under the immediate and direct supervision of a parent or guardian.

51st AMATYC Annual Conference in Reno

Peppermill
Resort • Spa • Casino • Reno
November 13–16, 2025

Program proposals to present in **Reno** can be submitted at the AMATYC website, www.amatyc.org, beginning November 1, 2024. Mark your calendar **now** to go to the AMATYC website to submit your proposal. The deadline for submitting a proposal to present a session, mini-session, or workshop in Reno is **February 15, 2025.**

Created: August 2024
Revised: November 2024

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Beverly Vance, Office Director
Christy Hunsucker, Accounting Director
Christine Shott, Publications Director
Angela Poulin, Technical Clerk

On-site Conference Registration ◆ Hilton Atlanta ◆ Group Registration (1st floor)

Wednesday, November 13 ..... **4:00 pm - 8:00 pm**
Thursday, November 14 ..... **7:00 am - 6:00 pm**
Friday, November 15 ..... **7:00 am - 4:00 pm**
Saturday, November 16 ..... **7:00 am - 8:00 am**
Saturday, November 16 ..... **10:00 am - Noon**

Created: August 2024
Revised: November 2024