

51st AMATYC Annual Conference

.....
Reno, Nevada

November 13 – 16, 2025



Conference Hotel

Peppermill

Resort Spa Casino

2707 South Virginia Street
Reno, NV 89502

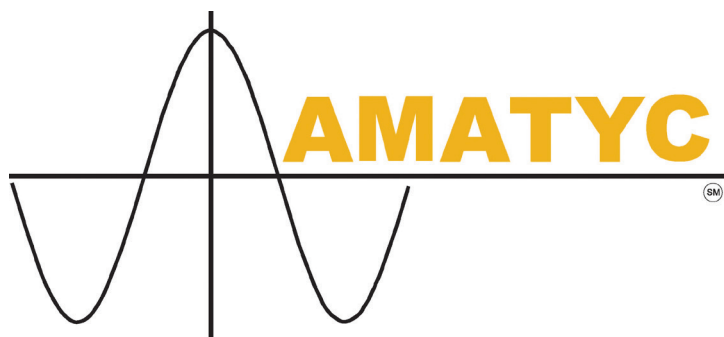
Hosted by NevMATYC
and the West Region

Opening Doors
Through Mathematics

www.amatyc.org

WELCOME
to the
51st Annual Conference
of the
**American Mathematical
Association of
Two-Year Colleges**





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: amatyc-cares@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

KEYNOTE SPEAKERS



Thursday Keynote Session

Anurupa Ganguly

A New Way to Teach, Powered by the Next Generation of Spatial Computers

Thursday, November 13
3:00 pm – 4:30 pm



Saturday Awards Breakfast Session

John Eric Goff

**Mathematics is the Language of the Universe;
Physics is the Poetry!**

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

FEATURED SPEAKERS



Laura Schueller

**Changing Instructional Practice to Increase Learning,
Balance, and Joy**

Thursday, November 13
10:20 am – 11:10 am



John Martin

**The Pythagorean Proposition and the
Enduring Beauty of Mathematics**

Friday, November 14
11:25 am – 12:15 pm

On-site Conference Registration

Peppermill Resort · Spa · Casino
AMATYC Registration Desk — Tuscany Ballroom Foyer

Wednesday, November 12	4:00 pm - 8:00 pm
Thursday, November 13	7:00 am - 6:00 pm
Friday, November 14	7:00 am - 4:00 pm
Saturday, November 15.....	7:00 am - 8:00 am
Saturday, November 15.....	10:00 am - Noon

CONFERENCE AT A GLANCE

OPENING DOORS THROUGH MATHEMATICS



Wednesday, November 12

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

Thursday, November 13

7:00 am - 6:00 pm Conference Registration (Tuscany Ballroom Foyer)
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)
9:10 am - 2:40 pm Concurrent Sessions, Mini Sessions, Workshop
10:20 am - 11:10 am Featured Speaker: **Laura Schueller**
Changing Instructional Practice to Increase Learning, Balance, and Joy
1:50 pm - 2:40 pm Affiliate Sharing Session (Sierra 1748)
3:00 pm - 4:30 pm Keynote Session — Speaker: **Anurupa Ganguly** (Tuscany ABCD)
A New Way to Teach, Powered by the Next Generation of Spatial Computers
4:30 pm - 6:30 pm Exhibit Hall Grand Opening (Tuscany EF)
6:30 pm - 9:10 pm Research Session

Friday, November 14

7:00 am - 4:00 pm Conference Registration (Tuscany Ballroom Foyer)
7:45 am - 9:15 am Regional Breakfasts and Meetings (meal ticket required)
9:15 am - 10:15 am Dedicated Exhibit Time (Tuscany EF)
10:15 am - 12:20 pm Project ACCESS Themed Session (Tuscany 3/4)
10:15 am - 3:45 pm Concurrent Sessions, Mini Sessions, Workshop
11:25 am - 12:15 pm Featured Speaker: **John Martin**
The Pythagorean Proposition and the Enduring Beauty of Mathematics
12:35 pm - 1:25 pm Academic Network Exchanges
4:05 pm - 4:55 pm Faculty Math League (Tuscany 5/6)
6:00 pm - 8:00 pm 2025 Ignite (Tuscany ABCD)

Saturday, November 15

7:00 am - 8:00 pm Conference Registration (Tuscany Ballroom Foyer)
7:45 am - 8:30 am Keynote Session — Speaker: **John Eric Goff** (Tuscany ABCD)
(meal ticket required)
Mathematics is the Language of the Universe; Physics is the Poetry!
10:00 am - 11:00 am Dedicated Exhibit Time (Tuscany EF)
11:00 am - 4:30 pm Concurrent Sessions, Workshop
12:10 pm - 2:10 pm Academic Network Exchanges

Sunday, November 16

8:15 am - 10:15 am Concurrent Sessions
10:45 am - 11:30 am Closing Session (Tuscany 5/6)

REGIONAL MEETINGS & BREAKFAST



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 & Breakfast

Friday, November 14

Breakfast* served: 7:45 am - 8:30 am (*ticket required)

Regional Meetings: 8:30 am - 9:15 am

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 | SOPHIA GEORGIAKAKI, Vice President
Connecticut • Maine • Massachusetts • New Hampshire • New York • Rhode Island
Vermont • New Brunswick • Newfoundland • Nova Scotia/Ontario • Prince Edward Island
Quebec | Room: Naples 1/2 |
| 2. MID-ATLANTIC | DENNIS EBERSOLE, Vice President
Delaware • District of Columbia • Maryland • New Jersey • Pennsylvania
Virginia • West Virginia | Room: Naples 3/4 |
| 3. SOUTHEAST | ALVINA ATKINSON, Vice President
Alabama • Florida • Georgia • Louisiana • Mississippi • North Carolina • South Carolina
Tennessee • Puerto Rico • Virgin Islands • Other Caribbean Islands | Room: Tuscany 5/6 |
| 4. MIDWEST | BRANDON BARTLEY, Vice President
Illinois • Indiana • Kentucky • Michigan • Ohio • Wisconsin | Room: Tuscany 10/11/12 |
| 5. CENTRAL | DALE JOHANSON, Vice President
Colorado • Iowa • Kansas • Minnesota • Missouri • Nebraska • North Dakota
South Dakota • Manitoba • Saskatchewan | Room: Naples 6/7 |
| 6. SOUTHWEST | JENNIFER TRAVIS, Vice President
Arizona • Arkansas • New Mexico • Oklahoma • Texas • Mexico | Room: Tuscany 3/4 |
| 7. NORTHWEST | JESSICA BERNARDS, Vice President
Alaska • Idaho • Montana • Oregon • Washington • Wyoming • Alberta
British Columbia • Northwest Territory • Yukon Territory • Other International Locations | Room: Tuscany 1/2 |
| 8. WEST | LINDSEY GERBER, Vice President
California • Hawaii • Nevada • Utah • Guam | Room: Tuscany 7/8/9 |

PROJECT ACCESS

AMATYC welcomes the ACCESS Fellows to the 51st AMATYC Annual Conference in Reno

2024-2025 ACCESS Cohort 20

Divya Ajinth, Waubensee 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-University 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

2025-2026 ACCESS Cohort 21

Audrey Adelson, Eastern Iowa CC-Clinton Campus, Clinton, IA
Jenna Arlie, Central Oregon CC, Bend, OR
Sangharsha Bhatta, Eastern New Mexico University, Portales, NM
Danielle Bramall, Collin College, Frisco, TX
Maud Comboul, Central Oregon CC, Bend, OR
Jonathan Foresee, Collin College, Plano, TX
Shane Gassaway, Central Oregon CC, Bend, OR
Susan Georgson, Lone Star College-University Park, Houston, TX
Kristy Gilmore, Central Oregon CC, Bend, OR
Kalpana Kanwar, Wake Technical CC, Raleigh, NC
William Rueda, Santa Fe College, Gainesville, FL
Ali Shoumer, Henry Ford College, Dearborn, MI
Allison Stacey, Pima CC, Tucson, AZ
Telashay Swope-Farr, Milwaukee Area Technical College, Milwaukee, WI
Chase Tuttle, Wake Technical CC, Raleigh, NC

Project ACCESS Coordinator: Lisa Feinman

TEACHING FOR PROWESS



Participants of the TFP 2024 Summer Institute

2025 AWARD RECIPIENTS

Teaching Excellence Award Recipients



Kerri Bentjen
Sinclair College
Dayton, OH



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



Myrta Groeneveld
Manchester CC
Manchester, CT



Chris Oehrlein
Oklahoma City CC
Oklahoma City, OK

Herb Gross Presidential Award



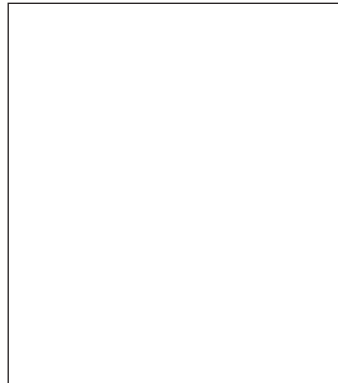
Christopher Riola
Moraine Valley CC
Palos Hills, IL

AMATYC Foundation Awards Recipients



Leila & Simon Peskoff Award

Nathalie McGathey
Prairie State College
Chicago Heights, IL



Margie Hobbs Award

To Be Announced

2025 EXHIBIT HALL

PEPPERMILL RESORT TUSCANY E/F EXHIBIT HOURS

Thursday, November 13
Grand Opening
4:30 pm - 6:30 pm

Friday, November 14
9:15 am - 12:35 pm
1:25 pm - 5:00 pm
Exhibitors Featured
9:15 am - 10:15 am

Saturday, November 15
9:45 am - 1:00 pm
Exhibitors Featured
10:00 am - 11:00 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)

2025 Corporate Partners

Hawkes Learning	303, 403
McGraw-Hill	300, 400
Pearson	100, 101 200, 201
Wiley	500, 600

Cengage	503, 603
COMAP	103
Compassionate Math	203
Crowdmark	501
MathGPT.ai	601
Math Wiz Flashcards, LLC	204
MyOpenMath	206
Wolfram	304
XYZ Textbooks/XYZ Homework	301, 401



Facebook

Like us: facebook.com/amatyc

Instagram

Follow us: instagram.com/amatyc

X

Follow us: x.com/mathamatyc

107	207
106	206

307	407
306	406

507	607
506	606

104	204
103	203

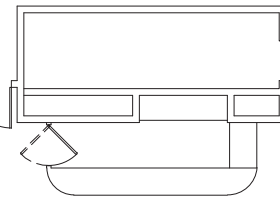
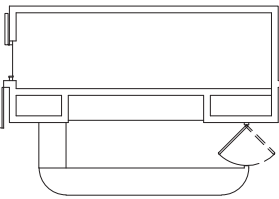
304	404
303	403

504	604
503	603

101	201
100	200

301	401
300	400

501	601
500	600



ENTRANCE

CONFERENCE PROGRAM

Wednesday, November 12

5:00 PM - 5:50 PM

PD, IG

Room: Registration Area

S001A: AMATYC 101: Walk, Talk, and Learn!

Have fun on a relaxing walking tour of the Peppermill Resort. 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:

Lindsey Gerber - Utah Valley Univ, Orem, UT

Dennis Ebersole - Retired, Philadelphia, PA

Registration Desk Open

Peppermill

Tuscany Ballroom Foyer

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.

Reno 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 ACCESS 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

Disclaimer: The views and opinions expressed by speakers or others who have provided materials to and for this conference are not necessarily those of AMATYC. AMATYC assumes no responsibility for, nor endorses, any of the comments, recommendations, or materials that are provided.

8:00 AM

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

S001B: AMATYC 101: Walk, Talk, and Learn!

Have fun on a relaxing walking tour of the Peppermill Resort. 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:

Dennis Ebersole - Retired, Philadelphia, PA
Lindsey Gerber - Utah Valley Univ, Orem, UT

Themed Sessions

Innovations in Mathematics Intensive Courses

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

8:00 AM - 8:15 AM MI
Room: Tuscany 3/4

T1A: The Art of Reading Mathematics

Communicating mathematics effectively is difficult. Whether verbal or written, students should constantly practice math communication. A good way to practice? Deciphering other people's math communication. How to get students to practice? Make them read mathematics.

Presenter:

Mark Lydon (2019 Project ACCESS Fellow) - Yuba College, Marysville, CA

8:20 AM - 8:35 AM MI, SM
Room: Tuscany 3/4

T1B: Rethinking Proofs and Derivations in Math Intensive Courses

Proofs and derivations are central to math-intensive courses, yet they often feel inaccessible to many students. This talk will showcase strategies for teaching proofs and derivations in Calculus 1, Calculus 2, and Discrete Math that emphasize metacognitive routines and create entry points for all learners.

Presenter:

Kelly Spoon (2018 Project ACCESS Fellow) - San Diego Mesa College, San Diego, CA

8:40 AM - 8:55 AM MI, TL
Room: Tuscany 3/4

T1C: Integrating Multi-modal Resources for Effective Learning in Precalculus

Discover how a multi-modal teaching approach integrates written and guided notes, video lectures, and interactive MyOpenMath homework to simplify trigonometric identities. This innovative method bridges gaps between instruction and application, promoting deeper understanding and improved outcomes in precalculus and beyond.

Presenter:

Eric Hutchinson - College of Southern Nevada, Las Vegas, NV

9:00 AM - 9:15 AM MI
Room: Tuscany 3/4

T1D: Scaling a Triangle Through the Calculus Sequence

There is a classic problem given to calculus students involving a triangle formed by a tangent line. What if students used this problem to launch themselves into mathematics in different contexts (and different courses)? Let's scale this triangle problem from a small problem in Calculus 1 to something more interesting!

Presenter:

Peter Keep - Moraine Valley CC, Palos Hills, IL

9:20 AM - 9:35 AM MI
Room: Tuscany 3/4

T1E: A Domino Effect of Eulerian Graphs

Eulerian graphs were born three centuries ago in Konigsberg, Prussia, thanks to the town's seven bridges. They can also be modeled with dominoes. A fun trick illustrating Eulerian graphs will be performed and discussed.

Presenter:

George Soliman - Raritan Valley CC, Branchburg, NJ

9:40 AM - 9:55 AM MI
Room: Tuscany 3/4

T1F: Euler's Proof of the Sum of Reciprocal Squares

Euler's evaluation of the sum of $1/n^2$ is considered by mathematicians and historians as a feat possessing stunning foresight, but simultaneously lacking rigor. It is for precisely these reasons that Euler's proof is appropriate for discussion with beginning calculus students. Come see an outline of the proof as well as the students' reactions.

Presenter:

Keith Nabb - Univ of Mary Washington, Fredericksburg, VA

Engaging Future Teachers With Formative Assessment Strategies

Sponsored by the Teacher Preparation ANet

Xianwei Van Harpen, Chair

8:00 AM - 8:15 AM SM, TC
Room: Tuscany 9

T2A: Do I Really Need a Lesson Closure?

Never have time to add closure to your mathematics lesson? Ever wonder why your students don't remember what you taught them yesterday? Add powerful research-based closures from cognitive load theory to every math lesson that helps students retain concepts, self-assess their own understanding, and help you assess your own instruction.

Presenter:

Jackie Murawska - Skokie - Morton Grove School District 69, Chicago, IL

8:20 AM - 8:35 AM SM, TC
Room: Tuscany 9

T2B: Developing Mathematical Mindsets for Elementary School Teachers

This presentation provides specific classroom examples used to help future teachers develop productive mathematical dispositions, think flexibly with mathematics, and think deeply about what it means to do and teach mathematics. Number talk activities and project ideas will be shared.

Presenter:

Martin Romero - Santa Ana College, Santa Ana, CA

8:40 AM - 8:55 AM TC
Room: Tuscany 9

T2C: Using Hinge Questions to Assess Students' Learning

Hinge questions are questions that can alter the intended trajectory of the day. They are used at critical junctures in a lesson, and the answer(s) provide valuable information about students – What makes sense? What is challenging? What was potentially missed? Come experience the in-the-moment feedback that informs teacher decision-making.

Presenter:

Keith Nabb - Univ of Mary Washington, Fredericksburg, VA

9:00 AM - 9:15 AM MI, TC
Room: Tuscany 9

T2D: Actively Assessing While Teaching

Have you ever wondered how to do classroom-based formative assessment in a fun, engaging way? Be prepared to take away activities to ensure that all students are engaged in opportunities to learn that also provide you insights into what they do and do not understand.

Presenters:

Mark Kuhlman - Casper College, Casper, WY
Teresa Stricklin (2013 Project ACCESS Fellow) - Casper College, Casper, WY

9:20 AM - 9:35 AM SM, TC
Room: Tuscany 9

T2E: Assessing Understanding Through Video Explanations

This presentation will explore ways to have students create videos explaining math concepts to help them reflect on their understanding and practice verbalizing and demonstrating topics. A sample rubric will be shared that both students and instructors can use.

Presenter:

Meg Moss - Southwestern CC, Sylva, NC

9:40 AM - 9:55 AM SM, TC
Room: Tuscany 9

T2F: Using Construction Projects to Assess Students' Understanding of Geometry

Pre-service elementary and middle school teachers often find geometry intimidating and tend to memorize formulas in finding perimeter, area, volume, etc. Construction projects allow students to demonstrate and enhance their understanding of geometry in ways that promote creativity and ease anxiety.

Presenter:

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

Equity and AI: Challenges and Opportunities

Sponsored by the Equity ANet

Ben Aschenbrenner, Chair

8:00 AM - 8:15 AM EQ
Room: Tuscany 11/12

T3A: What is Generative AI?

This session will provide an overview of AI, generative AI, and other fundamental information that will be discussed in the other presentations in this themed session.

Presenter:

Christine Mirbaha - CC of Baltimore County, Baltimore, MD

8:20 AM - 8:35 AM EQ, SM
Room: Tuscany 11/12

T3B: AI-Powered Solutions for Equitable Math Tutoring

AI-powered math tutoring can break down barriers of cost, access, and time. By offering personalized, scalable support anytime and anywhere. AI creates equitable learning opportunities, ensuring all students, regardless of background, can succeed in math and overcome traditional educational obstacles.

Presenter:

Dustin King - Catawba Valley CC, Hickory, NC

8:40 AM - 8:55 AM EQ
Room: Tuscany 11/12

T3C: The Biggest Little Ways to Grow With AI

AI is currently growing by leaps and bounds, but math teachers have been addressing tech concerns for years. While there is no way to say for certain what's going to happen next with AI in the classroom, the framework for addressing these concerns will have a firm foundation in equitable educational practices.

Presenter:

Jennifer Ackerman - Louisville Collegiate School, Louisville, KY

9:00 AM - 9:15 AM EQ
Room: Tuscany 11/12

T3D: Can You Help Make This More Compassionate?

Learn how AI tools helped change instinctive, first draft language, into more thoughtful, supportive and compassionate language, helping save the instructor time and deliver a more supportive message to students.

Presenter:

Ben Aschenbrenner - National Louis Univ, Chicago, IL

9:20 AM - 9:35 AM EQ
Room: Tuscany 11/12

T3E: There is No Ethical Use Case for Generative AI in Education

This session will look at the ethical reasons that generative AI has no place in higher education, such as environmental impact, training data sets built on plagiarism, training processes built on labor exploitation - and how use of generative fundamentally undermines our students' (and faculty's) humanity.

Presenters:

Christina Holdiness - Chaffey College, Rancho Cucamonga, CA
Carrie Muir (2016 Project ACCESS Fellow) - Whatcom CC, Bellingham, WA

9:40 AM - 9:55 AM EQ
Room: Tuscany 11/12

T3F: What Was Learned About Generative AI?

This presentation will reflect on all that was heard in the themed session. Time will be devoted to connect with others to further the conversation and deepen thinking about what is possible!

Presenter:

Gabriel Porrata Vallejo (2018 Project ACCESS Fellow) - Oakton CC, Des Plaines, IL

Corequisite Course Support

Sponsored by the Developmental Mathematics ANet
Kim Granger, Chair

8:00 AM - 8:15 AM SM, TL
Room: Tuscany 5/6

T4A: Support Beyond Remedial Math in an Online Quantitative Reasoning Corequisite Course

Methods that work well (and not well) for online quantitative reasoning corequisite courses will be shared in this session.

Presenter:

Ben Moulton - Utah Valley Univ, Orem, UT

8:20 AM - 8:35 AM SM
Room: Tuscany 5/6

T4B: How to Bring Best Teaching Practices to Your Corequisite Class

Corequisite courses are common. When developed, attention is given to course logistics. But 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

8:40 AM - 8:55 AM SM
Room: Tuscany 5/6

T4C: Support Corequisite Courses With Active Learning

Active learning can be used to support students in corequisite courses. In this session, participants will learn about how one institution is using active learning to improve student success in corequisite courses.

Presenters:

Christina Elliott - Pellissippi State CC, Knoxville, TN
Susan Crowe - Pellissippi State CC, Knoxville, TN

9:00 AM - 9:15 AM SM
Room: Tuscany 5/6

T4D: The Factoring Factory Initiative Helps Corequisite Students Master Factoring

Many STEM pathway corequisite courses include factoring as a learning outcome, but many students struggle to master the skill. In this session, the presenters will share The Factoring Factory, which is an initiative that has been used to help students get over this hurdle.

Presenters:

Diane Ascare - St. Louis CC, Florissant Valley, Ferguson, MO
Rokhaya Ndao - St. Louis CC, Florissant Valley, Ferguson, MO

9:20 AM - 9:35 AM SM
Room: Tuscany 5/6

T4E: Integrated Study Skills Into Your Corequisite Course to Improve Student Success

Many students who place into corequisite courses need help improving their study skills. In this session the presenter will share resources that can be used to integrate study skills into a co-requisite course.

Presenter:

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

9:40 AM - 9:55 AM EQ, SM
Room: Tuscany 5/6

T4F: Resources to Support Students With Math Anxiety, Test Anxiety and Self-Regulation Issues

There are more students than ever with math anxiety, test anxiety, and self-regulation issues. This session will address these challenges and share resources that faculty teaching corequisite courses can use to support all students.

Presenter:

Paul Nolting - Retired

Curriculum and Instruction in Mathematics Pathways

Sponsored by the Mathematics Pathways ANet
Meghan Carlson, Chair

8:00 AM - 8:15 AM MN, PS
Room: Tuscany 10

T5A: Quantitative Reasoning: A Gateway to Mathematical Success

Too often mathematics serves as a gatekeeper. This session presents Quantitative Reasoning (QR) as a gateway to smooth the mathematical transition from high school to higher education. The speaker will explain what QR is, why it is important, and how it connects to other mathematical pathways.

Presenter:

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

8:20 AM - 8:35 AM PS
Room: Tuscany 10

T5B: Innovating Math Education With Student-Centered Pathways

This presentation provides an overview of the Dana Center's Math Pathways (DCMP) curriculum, emphasizing its student-centered approach and active learning strategies. It highlights recent enhancements, including the integration of social-emotional learning, designed to further support student success and engagement.

Presenter:

Tammi Perez-Rice - The Charles A. Dana Center - The University of Texas at Austin, Austin, TX

8:40 AM - 8:55 AM PS, TL
Room: Tuscany 10

T5C: Trends and New Applications of Mathematics in Careers

This presentation will briefly examine ongoing and new trends in technology that affect math skills and career readiness of our students, with the goal to inform our efforts to adapt math curricula to help students acquire math skills that will be in demand in their careers.

Presenter:

Natalia Postrigan - California Lutheran Univ, Thousand Oaks, CA

9:00 AM - 9:15 AM MN, PS
Room: Tuscany 10

T5D: Math in Your World: A Pathway to Math Success

Math in Your World offers students a Quantitative Reasoning alternative to College Algebra. Course topics, assessments and projects will be shared. Come find out how faculty try to find math in our students' worlds.

Presenter:

Kim Walters - Mississippi State Univ, Starkville, MS

9:20 AM - 9:35 AM PD, PS
Room: Tuscany 10

T5E: Developmental Algebra Through Precalculus: Aligning the STEM Pathway

For STEM courses like algebra, trigonometry, and calculus to work together, the complete sequence requires alignment. One college in New Jersey has been working for two years to fully reimagine and align their STEM sequence. Attendees will learn about the innovative approaches in curriculum and instruction that were used.

Presenter:
Kathleen Almy - Almy Education, Rockford, IL

9:40 AM - 9:55 AM PS
Room: Tuscany 10

T5F: Math and Stats Courses for Pathways to the Health and Social Sciences

This presentation will discuss the development of four core mathematics and statistics courses that enable students to transfer to degrees across the health, life & social sciences. These courses range from introductory mathematics and numeracy, to algebra, precalculus and statistics, providing students with the required training to succeed in degrees.

Presenters:
Anthony Tavares - Sheridan College, Brampton, ON
Sean Saunders - Sheridan College, Brampton, ON

9:10 AM

9:10 AM - 10:00 AM SM
Room: Tuscany 2

S002: Methodologies: How to Model (Almost) Any Method as a Process

A methodology is the abstract generalization of process knowledge. Educators can use methodologies to delineate the act of problem solving into a clear step-by-step procedure. Attendees will see how to apply methodologies to almost every topic in College Math supporting active learning and metacognition.

Presenter:
Matthew Watts (2009 Project ACCESS Fellow) - Red Rocks CC, Lakewood, CO

9:10 AM - 10:00 AM MN, TC
Room: Tuscany 7

S003: Probability Activities for Non-math Majors

Students in classes who are non-STEM majors typically struggle with understanding several concepts of probability, especially those that seem counterintuitive. This session will present several classroom-tested and classroom-ready activities that will help your students grasp many of the concepts of probability that are often elusive to them.

Presenters:
Barbara Boschmans - College of Southern Nevada, Las Vegas, NV
Brian Beaudrie - College of Southern Nevada, Las Vegas, NV
Prsident: Gregory D. Foley - Ohio Univ, Athens, OH

9:10 AM - 10:00 AM SM, EQ
Room: Tuscany 8

S004: Prioritizing Student Belonging for Success

Students feel they belong and can succeed when faculty acknowledge their struggles and prioritize their well-being. This session explores practices that center the humanity of students from department policies to the classroom level. With a sampling of easily implemented changes, you'll leave inspired.

Presenters:
Carolynn Campbell Reed - Austin CC, Austin, TX
Colleen Hosking - Austin CC, Austin, TX
Prsident: Eric Gaze - Bowdoin College, Brunswick, ME

10:20 AM

10:20 AM - 11:10 AM IG, PS
Room: Tuscany 1

S005: Changing Instructional Practice to Increase Learning, Balance, and Joy

Bring an open mind, and guided by numerous evidence-based frameworks, you will engage in identifying course policies and practices that are within your control to improve, investigating the process of making choices that support student success, and developing plans for creating classes that serve students well and bring you joy.

Presenter:
Laura Schueller - Ed Equity Solutions, Walla Walla, WA
Prsident: Barbara Leitherer - CC of Baltimore County, Baltimore, MD

10:20 AM - 11:10 AM PS
Room: Tuscany 3/4

S006: Literacy: Is It Just for Quantitative?

It started with Math Literacy, a new course making developmental math more applied and useful. The core ideas have been widely extended to Quantitative Literacy, a growing movement in college-level non-STEM math. Where to next? Algebraic Literacy? Statistical Literacy? Calculus Literacy? Join to discuss what's next.

Presenters:

Brian Mercer - Parkland College, Champaign, IL

Dave Sobecki - Miami Univ, Oxford, OH

Prsider: Lori Holdren - American College of Healthcare Sciences, Portland, OR

10:20 AM - 11:10 AM MI, TL
Room: Tuscany 5/6

S007: Google and AI Resistant Precalculus Worksheets

With the rise of easy to access AI and the explosion of online class offerings, we need some different questions to assess our students. Come explore what the presenter has developed, and help the presenter and others expand the pool of questions.

Presenter:

Rob Eby (2005 Project ACCESS Fellow) - Blinn College, Rellis Campus, Bryan, TX

Prsider: Jayashree Hurlburt - SUNY, Corning CC, Corning, NY

10:20 AM - 11:10 AM MN, PD
Room: Tuscany 7

S008: Building Partnerships to Support Nursing Students' Numeracy Skills

This presentation will highlight the work of a collaborative task-force between mathematics and nursing faculty aimed at supporting nursing students' numeracy for safe practice. Attendees will learn about the task-forces' development, strategies for integrating numeracy throughout the curriculum, and practical steps and resources for establishing similar collaborations at their institutions.

Presenters:

Daniel Ozimek - Saint Joseph's Univ, Lancaster, PA

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

Brandi Morgante Handzlik - Saint Joseph's Univ, Lancaster, PA

Prsider: Veon Stewart - AdventHealth Univ, Orlando, FL

10:20 AM - 11:10 AM SM, EQ
Room: Tuscany 8

S009: Student Success: A Math Coach Increases Confidence and Achievement

Student success in math courses is necessary for degree completion. The addition of a math coach has been identified as one approach to help students navigate success. One community college has eliminated developmental math without corequisites and increased student confidence and academic achievement by using a math success coach.

Presenter:

Jennifer Mallett - York County CC, Wells, ME

Prsider: Dana Clahane - Fullerton College, Fullerton, CA

10:20 AM - 11:10 AM EQ, SM
Room: Tuscany 9

S010: Fitting In: How Otherness Influences Students' Educational Experience

This presentation explores "otherness," the feeling of not fitting in or lacking something essential to belong, and its significant impact on students' self-perception, identity, and learning engagement. Discover how diverse worlds, including school cultures and their discourses, shape identity, influence empowerment, and support students in navigating their educational journeys.

Presenters:

Dora Trujillo - LaGuardia CC, Long Island City, NY

Milena Cuellar - LaGuardia CC, Long Island City, NY

10:20 AM - 11:10 AM ST, PS
Room: Tuscany 11/12

S011: Data Detectives: Unraveling Patterns Through Exploratory Analysis

Unlock the power of data exploration! This session dives into interactive strategies that help students uncover patterns, visualize relationships, and analyze real-world data. Discover creative activities and digital tools designed to make Exploratory Data Analysis (EDA) an engaging, student-centered experience in your Intro Stats classroom.

Presenters:

Asli Mutlu - Wake Tech CC, Raleigh, NC

Chase Tuttle - Wake Tech CC, Raleigh, NC

Prsider: Christina Elliott - Pellissippi State CC, Knoxville, TN

10:20 AM - 11:10 AM SM, PD
Room: Naples 1/2

S012: Speed Dating & Problem Circles: Review Activities for Active Learning

Speed dating and problem circles are review activities that are easy to implement and get students moving around, working together, engaging in mathematical discourse, and maybe even having fun in math class! Experience these activities from the student's point of view while you learn how to set them up.

Presenter:

Dabbie Vallin - College of Southern Nevada, Las Vegas, NV

10:20 AM - 11:10 AM TC, MN
Room: Naples 3/4

S013: Big Ideas for Elementary Education Student Success

This presentation will explore fun, engaging activities that will support student success in Math For Elementary Education classrooms. You will get activities that you can use in your classroom right away that have shown success with students.

Presenters:

Darla Aguilar - Pima CC, Tucson, AZ

Emily Whittington (2021 Project ACCESS Fellow) - Pima CC, Tucson, AZ

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

11:30 AM

11:30 AM - 12:20 PM EQ, SM
Room: Tuscany 1

S014: Abdicating the Throne: Changes to Teacher Authority to Increase Equity

This session will explore how instructors are fostering more equitable learning experiences in introductory courses with research drawing on faculty interviews, classroom observations, and student focus groups. Shifts in power and authority emerged as a common thread connecting innovations in curriculum, pedagogy, and assessment. Presenters will share concrete practices that promote equity and invite you to reflect on your own teaching and connect with fellow educators.

Presenter:

Mickey Davis - Education Equity Solutions, Berkeley, CA

Prsident: Bala Raja - Citrus College, Glendora, CA

11:30 AM - 12:20 PM IG, MI
Room: Tuscany 3/4

S015: Interesting Stories From the History of Mathematics

Learning about the lives of historical mathematicians can make mathematics more engaging for students. Their personal struggles and achievements highlight the real-world nature of their work, helping students relate to them. This connection can foster appreciation and motivation, making math feel more meaningful and inspiring deeper interest in the subject.

Presenter:

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

Prsident: Chris McClure - Des Moines Area CC, Ankeny, IA

11:30 AM - 12:20 PM ST, TL
Room: Tuscany 5/6

S016: Song Lyrics as Data: A Perfect Pitch for Teaching Statistics

How can students take ownership of statistical topics, such as sampling, data visualizations, and hypothesis testing? Lyrics from their favorite songs! Come see a variety of projects that foster student creativity, making your statistics course pitch perfect.

Presenter:

Luke Walsh - Catawba Valley CC, Hickory, NC

Prsident: Peter Rimkus - CT State CC, Willimantic, CT

11:30 AM - 12:20 PM SM
Room: Tuscany 11/12

S017: Corequisite Sharing Session: What is Working and What is Not Working

Data is beginning to show that the implementation of corequisites may not be increasing student success rates. In this session, data will be presented. Participants will have the opportunity to share what is going well and what is not going so well from their experiences.

Presenter:

Kim Granger - St. Louis CC, Wildwood, MO

11:30 AM - 12:20 PM MI, RG
Room: Naples 1/2

S018: Exploring the Intersection of Linear Algebra and Formula One Racing

In the high-speed world of Formula One (F1) racing, fractions of a second can be the difference between victory and defeat. The intriguing relationship between linear algebra and F1 racing will be explored, uncovering how mathematical concepts are harnessed to optimize performance on and off the track.

Presenter:

Ahmed Rashed - Dallas College, Dallas, TX
Prsider: Miriam Harris-Botzum - Lehigh Carbon CC, Schnecksville, PA

11:30 AM - 11:55 AM MI, TL
Room: Tuscany 2

S019A: Using Convolution in Multiple Contexts

This presentation introduces the mathematical operation of convolution and an intuition around it. Attendees will have an opportunity to discover some of the real word contextsts of convolution, such as image filtering and machine learning. Bring your laptops and engage in an interactive activity.

Presenter:

Frank Marfai - Phoenix College, Phoenix, AZ
Prsider: Kirsten Meymaris - Purdue Univ Global, West Lafayette, IN

11:30 AM - 11:55 AM SM, MN
Room: Tuscany 7

S020A: Math-Themed Bumper Music: Engaging Students at the Start of Class

This presentation explores how incorporating math-themed bumper music at the start of class can engage students, set a positive tone, and build connections between math and everyday life. Attendees will learn how to select, integrate, and leverage music to spark curiosity, foster enthusiasm, and create a dynamic classroom environment.

Presenter:

Jonathan Engelman - Kettering College, Kettering, OH
Prsider: Sonia Petch - Collin College, McKinney, TX

11:30 AM - 11:55 AM PS, RG
Room: Tuscany 8

S021A: Research Findings on the Impact of Instructional Approach in Co-reqs

What is the impact of curriculum and pedagogy on student success in corequisite mathematics? Join this session to learn about a new, large research study that investigated this question, dive into the results, and explore the open educational resources and instructional model that were shown to improve student outcomes.

Presenters:

Thales Georgiou - Dallas College, Dallas, TX
Karon Klipple - WestEd, San Francisco, CA
Prsider:Carolynn Reed - Austin CC, Austin, TX

11:30 AM - 11:55 AM EQ, MI
Room: Tuscany 9

S022A: Alternative Assessments in Math Courses for Equity

Examples of assessment techniques to aid students with test anxiety or poor test-taking skills to show performance in math courses. These techniques, including written and video summaries by students, can allow assessment of proficiency in concepts separate from written tests while being practical to grade and implement by instructors.

Presenter:

Kevin Jauregui - Univ of Jamestown, Jamestown, ND

11:30 AM - 11:55 AM PD, EQ
Room: Tuscany 10

S023A: Shortening the Semester: A Discussion on Acceleration in Mathematics

This session will bring together faculty to examine questions about shortening the academic calendar: What are the impacts of teaching mathematics in a 7-week format? What instruction is most effective? How does student learning change? Whether you are new or experienced with such innovation, please join the session and contribute!

Presenters:

Wendi Dass - Piedmont Virginia CC, Charlottesville, VA
Keith Nabb - Univ of Mary Washington, Fredericksburg, VA
Prsider: Jackie Murawska - Skokie-Morton Grove School District 69, Skokie, IL

11:30 AM - 12:20 PM IG
Room: Naples 3/4

S032: What is Mu Alpha Theta and Why You Need to Know

This session will share information and answer questions about Mu Alpha Theta, a national mathematical honor society open to all two-year college students (eligibility requirements hold), not just mathematics majors. Learn about Mu Alpha Theta and how to petition for a new chapter at your two-year college!

Presenters:

Mari Menard - Lone Star College-Kingwood, Kingwood, TX
Dana Wade - Mu Alpha Theta, Norman, OK
Prsident: George Soliman - Raritan Valley CC, Branchburg, NJ

12:00 PM

12:00 PM - 12:25 PM IG, MI
Room: Tuscany 2

S019B: It's Prime-Time! An Inside Look at the Primes, Math's Oddest Numbers!

Mathematicians have studied primes for centuries, yet there is still much to be desired. What is the latest on math's most baffling simple numbers? Why are they so important? Come and see how you can amaze your students when discussing math's oddest (and one even) numbers!

Presenter:

George Soliman - Raritan Valley CC, Branchburg, NJ
Prsident: Kirsten Meymaris - Purdue Univ Global, West Lafayette, IN

12:00 PM - 12:25 PM ST, IG
Room: Tuscany 7

S020B: Counterintuitive Results With Probability Models

This session will introduce participants to probability results that seem to defy logic. One classic example is the "Monty Hall Problem". Outcomes will be studied empirically, and then shown mathematically. Questions that can be asked to students at various levels will also be discussed.

Presenter:

Christopher Riola - Moraine Valley CC, Palos Hills, IL
Prsident: Sonia Petch - Collin College, McKinney, TX

12:00 PM - 12:25 PM PD, RG
Room: Tuscany 8

S021B: CBMS 2025 Census Survey: The Landscape of Two-Year College Mathematics

Did you know that the Conference Board of Mathematical Sciences conducts a census survey of two-year college mathematics departments every 5 years? Since 1970, this national survey has tracked trends in enrollment, instructional strategies, course formats, faculty information, and other issues related to two-year colleges. Come learn more about it!

Presenter:

April Ström - Chandler-Gilbert CC, Chandler, AZ
Prsident:Carolynn Reed - Austin CC, Austin, TX

12:00 PM - 12:25 PM EQ, MN
Room: Tuscany 9

S022B: Setting the Tone: Prioritizing a Culture of Community for Learning

Learn how to set the tone in establishing and maintaining community in mathematics courses, where students collaborate, share strategies, and ask questions. In this session, faculty move beyond a positive rapport with students and develop strategies to focus on inclusivity, authentic trust, and care to support student learning.

Presenter:

Alysia Goyer - Stockton Univ, Galloway, NJ

12:00 PM - 12:25 PM PD, RG
Room: Tuscany 10

S023B: Strategies for Building and Maintaining an OER Program

A college has led an Open Textbooks grant, with nearly all math courses now using OER (Open Education Resources). Beyond cost savings, OER fosters pedagogical flexibility, enabling instructors to tailor courses to student learning needs. This session explores sustainable OER adoption, faculty mentorship, and its impact on student success.

Presenters:

Andrea Schaben - Yavapai CC, Prescott, Arizona
Mandy Atherton - Yavapai CC, Prescott, AZ
Prsident: Jackie Murawska - Skokie-Morton Grove School District 69, Skokie, IL

12:40 PM

12:40 PM - 1:30 PM EQ, PS
Room: Tuscany 2

S024: Bridging Gaps Between Two and Four-Year Colleges: A Social Network Approach

How can students be supported as they prepare to transfer to four-year institutions? This question will drive discussions that intend to identify and generate ideas about possible supports using a problem-of-practice protocol (CASEL, 2013) and social network mapping tool (Borgatti & Ofem, 2010).

Presenters:

Mika Munakata - Montclair State Univ, Montclair, NJ
John O'Meara - Montclair State Univ, Montclair, NJ

12:40 PM - 1:30 PM TL, SM
Room: Tuscany 3/4

S025: Teaching Thinking: Using AI to Support Metacognition

Metacognition - awareness of one's thinking - improves student learning. This session explores AI tools that foster self-reflection, problem-solving, and growth mindset in mathematics. Attendees will engage with AI-based strategies to enhance metacognitive skills, leaving with practical applications to integrate AI into active-learning classrooms. Bring your tablet or laptop.

Presenters:

Sidra Van De Car - Valencia College, Orlando, FL
Tatiana Ballion - Western Iowa Technical CC, Sioux City, IA

12:40 PM - 1:30 PM MI, SM
Room: Tuscany 5/6

S026: Active Learning in Calculus II and III

This session will highlight active learning strategies that can make upper division calculus come alive - card sorts, chain notes, number talks, give an example, (im)possible combinations, and "Illusion"-style sorting games. Come ready to learn and leave with a handful of activities you can implement immediately.

Presenters:

Peter Keep - Moraine Valley CC, Palos Hills, IL
Mike Caparula - Kankakee CC, Kankakee, IL
Keith Nabb - Univ of Mary Washington, Fredericksburg, VA
Prsident: Johanna Debrecht - Red Rocks CC, Lakewood, CO

12:40 PM - 1:30 PM PS, SM
Room: Tuscany 7

S027: Beyond Exams: Alternative Ways to Assess Learning

Faculty often rely on quizzes and exams to evaluate student learning. Using alternative assessment methods can provide a holistic evaluation of deeper understanding. In this session, examples of alternative assessments and their impact will be shared. Then attendees will collaborate on the creation of a repository for all to use.

Presenters:

Colleen Hosking - Austin CC, Austin, TX
Carolynn Campbell Reed - Austin CC, Austin, TX
Prsident: Jon Anderson - Utah Valley Univ, Orem, UT

12:40 PM - 1:30 PM ST, TL
Room: Tuscany 10

S028: Using Open Resource Technology to Create Interactive Lessons

Bring your device to this interactive session on developing engaging content for your students! H5P is a free and open technology for creating rich, interactive HTML5 content. The session will give you the opportunity to explore existing activities from a large library. Accessibility and LMS integration will also be discussed.

Presenters:

Christina Elliott - Pellissippi State CC, Knoxville, TN
Susan Crowe - Pellissippi State CC, Knoxville, TN
Prsident: Kate Cook - Clark Collete, Vancouver, WA

12:40 PM - 1:30 PM PD, RG
Room: Tuscany 11/12

S029: Educators as Learners: A Lesson Study Journey in BTC

Explore a community college mathematics team's lesson study journey implementing "Building Thinking Classrooms" practices. Learn about their collaborative process, challenges, and insights gained. Discover how this approach transformed teaching practices, deepened understanding of student learning, and fostered a collaborative professional learning community.

Presenters:

AnnMarie O'Neil - Valencia College, Orlando, FL
Julie Meer Phelps - Valencia College, Orlando, FL

12:40 PM - 1:30 PM MN, PS
Room: Naples 1/2

S030: Math in Your World: A Quantitative Reasoning Option to College Algebra

Explore Our Quantitative Reasoning is an alternative to College Algebra. Course topics, assessments and projects will be shared with a focus on course projects including a community engaged project. Participants should come with questions and ideas to share. Bring laptops to join in the sharing of some of the projects.

Presenter:

Kim Walters - Mississippi State Univ, Starkville, MS
Presider: Alexander Atwood - Suffolk County CC, Selden, NY

12:40 PM - 1:30 PM RG
Room: Naples 3/4

S031: 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. The session will share the NSF proposal and funding process. You are welcome to join the conversation.

Presenter:

Michael Ferrara - National Science Foundation, Alexandria, VA

12:40 PM - 2:40 PM SM, PS
Room: Tuscany 8

W1: Corequisite Courses Unlocked: Overcoming Student Challenges Together

Corequisite courses are increasingly widely implemented, but students still struggle with foundational skills, course pacing, belonging, self-efficacy, and engagement. This workshop brings faculty into conversation on these challenges, using the Corequisite Mathematics Toolkit to explore strategies for structuring support, improving just-in-time remediation, and designing coursework that drives student success.

Presenters:

Dan Ray - Carnegie Math Pathways at WestEd, Tallahassee, FL
Ann Edwards - Mathematics at WestEd, San Francisco, CA
Tammi Perez-Rice - The Charles A. Dana Center at the University of Texas, Austin, TX
Cassidy Kist - The Charles A. Dana Center at the University of Texas at Austin, Austin, TX

1:50 PM

1:50 PM - 2:40 PM PD, RG
Room: Sierra 1748

S033: 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:

Brandon Elmes - Jefferson CTC, Louisville, KY

1:50 PM - 2:40 PM SM, PS
Room: Tuscany 1

S034: Grading for PROWESS: Embracing and Implementing Alternative Methods

How can you change the culture of punitive assessment in first-year mathematics classes? Come learn about one faculty's journey to research, implement, evaluate, adjust, and encourage others to embrace alternative grading practices in early algebra-based courses.

Presenter:

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

1:50 PM - 2:40 PM PS, SM
Room: Tuscany 2

S035: Weave Students In vs. Weed Them Out: Reforming Entry-Level Math

Math has historically used a weed-out philosophy still reflected in many policies, mindsets, and approaches. Today's complex problems plus huge workforce needs mean students today need more math than ever. Explore ways to reform entry-level math to weave students in versus weed them out! Bring your laptop!

Presenter:

Jenna Carpenter - Campbell Univ, Mathematical Association of America, Buies Creek, NC

1:50 PM - 2:40 PM EQ, ST
Room: Tuscany 3/4

S036: Global and Social Justice Labs for Meaningful Statistics

In this session, the presenter will share real data on global and social justice topics to engage students with issues important to them. Bring your computers, there will be a focus on using excel for analysis. Attendees will leave with labs that can be used next day in their Statistics courses.

Presenter:

Holly Bass - Asheville-Buncombe Technical CC, Asheville, NC
Prsident: Mark Earley - Columbus State CC, Columbus, OH

1:50 PM - 2:40 PM MI, SM
Room: Tuscany 5/6

S037: Favorite Calculus Problems: Promoting Conceptual Understanding

Designing innovative calculus problems is no easy task. Well-crafted problems can reveal to students that calculus is more than just memorization and imitation. In fact, problems that even challenge AI platforms can be particularly powerful. This presentation will showcase such problems—inviting attendees to explore, solve, and reflect on what makes them effective.

Presenter:

Robert Cappetta (2017 Teaching Excellence Award Recipient) - Florida SouthWestern State College, Fort Myers, FL
Prsident: Paul Seeburger - Monroe CC, Rochester, NY

1:50 PM - 2:40 PM SM
Room: Tuscany 7

S038: Communication: It's Not a Two-Way Street, But a Multi-lane Highway

Who's doing the communicating in your classes? Do you feel like it is a one-way street? When should it be a one-way street and how can faculty turn it into a multi-lane highway?

Presenter:

Donna Densmore - Bossier Parish CC, Bossier City, LA

1:50 PM - 2:40 PM PD, IG
Room: Tuscany 9

S039: Mindful Teaching: Weather the Storm, Embrace the Calm

Mindfulness can reduce anxiety and is a secular, equitable, and accessible practice. In this hands-on session, experience mindfulness firsthand and explore its benefits and common misconceptions. Learn a mindful teaching technique that fosters empathy, enhances belonging, and builds emotional resilience for instructors.

Presenters:

Manisha Ranade (2016 Project ACCESS Fellow) - Santa Fe College, Gainesville, FL
Behnaz Rouhani - Georgia State University Perimeter College, Atlanta, GA

1:50 PM - 2:40 PM ST, MN
Room: Tuscany 11/12

S040: Engaging Students With Spreadsheets: From QR to Data Analytics

This interactive session will explore how to use spreadsheets to engage students in Quantitative Reasoning (QR) classes, providing them with valuable skills for data analysis and data visualization. Handouts with detailed instructions will be provided for ease of use, allowing participants to fully enjoy exploring the powerful tool of spreadsheets.

Presenter:

Eric Gaze - Bowdoin College, Brunswick, ME
Prsident: Matthew Watts - Red Rocks CC, Lakewood, CO

1:50 PM - 2:40 PM TC, SM
Room: Naples 1/2

S041: MathArt Community Exhibition: Math Play With Light

In this session, participants will explore the creative and curricular opportunities of mathematical play in art projects that bring together a variety of disciplines and people. In addition to context and descriptions of past examples, the workshop will model the project development and will result in a small art installation.

Presenter:

Zdeňka Guadarrama - Rockhurst Univ, Kansas City, MO
Prsident: Natalia Postrigan - California Lutheran Univ, Thousand Oaks, CA

1:50 PM - 2:40 PM RG
Room: Naples 3/4

S042: RMETYC Sharing Session

The Research in Mathematics Education for Two-Year Colleges (RMETYC) 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

Prsider: Frank Marfai - Phoenix College, Phoenix, AZ

3:00 PM

3:00 PM - 4:30 PM TC, SM
Room: Tuscany Ballroom

KEYNOTE: A New Way to Teach, Powered by the Next Generation of Spatial Computers

This presentation will illuminate how recent advances in spatial computing are enabling faculty to scale how they've always wanted to teach - through great, real-world problems that mean something to their students and empower an equitable workforce in STEM.

Presenter:

Anurupa Ganguly - Prisms of Reality

Prsider: George Hurlburt, AMATYC President

4:30 PM

4:30 PM - 6:30 PM
Room: Tuscany E/F

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.

6:30 PM - 9:10 PM

6:30 PM - 7:10 PM RG, SM
Room: Tuscany 5/6

R1: Bridging the Gap: Integrating Teaching and Research For a Greater Impact

A research-based framework for teaching mathematics was developed to support teachers in improving math instruction. Participants will learn how to use research to create solutions for teaching challenges by conceptualizing a research agenda.

Presenter:

Teruni Lamberg - University of Nevada, Reno, Reno, NV

7:20 PM - 7:50 PM RG, TL
Room: Tuscany 2

R2: Lecture Capture in the World of Digital Natives: An Exploratory Study

This presentation describes the qualitative phase of an exploratory sequential mixed method study addressing how lecture capture is used in college mathematics courses. Lecture capture is the process of recording everything that students see on the screen and hear in the classroom. Data was analyzed and classified using the UTAUT.

Presenter:

Jonathan Engelman - Kettering College, Kettering, OH

7:20 PM - 7:50 PM PD, RG
Room: Tuscany 3/4

R3: Why Active Learning? Is There Consensus?

Interviews with faculty, student service professionals and administrators indicate various perspectives about why students should engage actively with mathematics. This finding is not surprising, but understanding how different stakeholders view purposes of active learning is useful for change agents who want to increase use of active learning in mathematics.

Presenters:

Ann Sitomer - Oregon State University, Corvallis, OR

Scot Pruyn - Clackamas CC, Oregon City, OR

7:20 PM - 7:50 PM EQ, PD
Room: Tuscany 5/6

R4: Exploring Community College Students' Experiences in College Algebra

This session explores how community college students perceive and navigate their experiences within mathematics classrooms, with a particular focus on college algebra. We are reporting on the first of four planned interviews, which examines students' backgrounds, their academic journeys, and their perspectives on classroom experiences that feel fair, welcoming and inclusive. This initial interview aims to better understand how students experience participation, interaction, and support within college algebra classrooms. Insights from this stage will contribute to the development of teaching approaches that are responsive to student identities and that promote supportive and inclusive learning environments in community college settings.

Presenters:

Rabia Kirikçilar - Univ of Michigan, Ann Arbor, MI
Bismark Akoto - Univ of Minnesota, Saint Paul, MN

8:00 PM - 8:30 PM EQ, MI
Room: Tuscany 2

R5: Predicting STEM Completion Using Conceptual Understanding of Algebra

Students' mathematical preparation and college performance influences persistence in STEM. This study found that measuring conceptual understanding of algebra predicted math grades, successful completion of math courses for STEM majors, and STEM degree attainment. Moreover, this measure showed a predictive strength comparable to or stronger than that of course grades.

Presenter:

Claire Wladis - Borough of Manhattan CC, New York, NY

8:00 PM - 8:30 PM IG
Room: Tuscany 3/4

R6: Mentorship, Active Learning, and Student Success: A Faculty Development Model

This session presents research on an NSF-funded faculty development model that enhances active learning implementation through mentorship. Findings highlight faculty growth, student engagement, and ongoing challenges. Attendees will explore strategies for overcoming barriers, fostering collaboration, and sustaining inclusive active learning in mathematics instruction at two-year institutions.

Presenters:

Sidra Van De Car - Valencia College, Orlando, FL
Dori Haggerty - Valencia College, Orlando, FL

8:00 PM - 8:30 PM MI, TL
Room: Tuscany 5/6

R7: Teaching Logarithmic Functions With AI-Powered Multi-language Support

This research integrates AI tools to enhance learning logarithmic functions in multiple languages, including English, Spanish, French, Nepali, and Chinese. Students create assignments in preferred languages using AI tools, deepening knowledge and critical thinking. Desmos visualizations, multilingual assessments, and group activities promote inclusivity, accessibility, and engagement in mathematics education.

Presenter:

Lucie Mingla - CUNY, LaGuardia CC, Long Island City, NY

8:40 PM - 9:10 PM PD, TC
Room: Tuscany 3/4

R8: Empowering CC Faculty: A New Generation of Math Teacher Educators

Project (CO)2MPUTE is a professional development program that trains community college faculty to becoming mathematics teacher educators to teach math courses for future elementary school teachers. This talk analyzes the faculty's views on important goals and outcomes of the course and also their confidence in teaching such courses.

Presenters:

Anne Cawley - Cal Poly Pomona, Pomona, CA
Cristina Runnalls - Cal Poly Pomona, Pomona, CA

8:40 PM - 9:10 PM

MI, SM

Room: Tuscany 5/6

R9: The Perfect Picture: Students' Preferences of Math Visuals

This presentation explores the characteristics of visual representations that students in a precalculus corequisite class prefer or find mathematically useful. Discussions will include how these findings inform teaching with visuals for precalculus and corequisite math instructors.

Presenter:

Matthew Tsutsui - Portland State Univ, Portland, OR

7:45 AM

11:45 AM - 1:15 PM

Room: See page 6 / Check Whova

Regional Breakfasts and Regional Gatherings

Pick up your breakfast 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.

9:15 AM

9:15 AM - 10:15 AM

Room: Tuscany E/F / Exhibit Hall

Dedicated Exhibits Time

Take advantage of dedicated time to visit exhibitors in Tuscany E/F / 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.

10:15 AM

10:15 AM - 11:05 AM

SM, TC

Room: Tuscany 2

S043: Rewriting Students' Prior Mathematics Experiences for (Life) Success

This session explores the transformative approach to high school mathematics that prioritizes connections, engaging practices, and essential skills for future success. Using the 3R's—Reimagined, Revitalized, and Relevant—this session aims to shift the current perception of math to a practical preparation for postsecondary life and real-life challenges.

Presenter:

Brian Buckhalter - NCSM: Leadership in Mathematics Education, Lewisburg, TN

Presider: Chris Yuen – SUNY Buffalo, Buffalo, NY

10:15 AM - 11:05 AM

ST, TL

Room: Tuscany 5/6

S044: Holistic Statistics for a More Comprehensive Statistics Course

This presentation will describe two different applications of “holistic” statistics: (1) Analyze data using alternative statistical methods instead of one method, and (2) Use approaches that foster personal student growth in critical thinking, technology, communications, and research. The presenter will describe specific examples illustrating both aspects of holistic statistics.

Presenter:

Marty Triola - Dutchess CC, Poughkeepsie, NY

Presider: Carrie Lineberry – Randolph CC, Asheboro, NC

10:15 AM - 11:05 AM

PS, SM

Room: Tuscany 7

S045: Alternative Assessments to Support Student Mathematical Understanding

How can instructors promote a strong mathematical foundation through alternative assessments, especially as they prepare incoming students for college-level mathematics? In this session, the presenters will describe how they have explored creating and implementing alternatives to traditional assessments that have students collaborating, making connections, and considering different contexts for mathematics.

Presenters:

Mika Munakata - Montclair State Univ, NJ

Eileen Fernández - Montclair State Univ, Montclair, NJ

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

10:15 AM - 11:05 AM PS, PD
Room: Tuscany 8

S046: Statewide Postsecondary Math Alignment: Nevada's Launch Year Experience

The Dana Center's Launch Year Initiative supports state-level reform to align math pathways with students' goals. This session highlights Nevada's statewide task force, equity-focused recommendations, and a survey informing math alignment with workforce needs, showcasing a model for collaboration and systemic change in postsecondary education.

Presenters:

Tammi Perez-Rice - Charles A. Dana Center at Univ of Texas at Austin, Austin, TX

Dave Singleton - Nevada System of Higher Education (NSHE), Las Vegas, NV

President: Lisa Kauffman - College of Southern Nevada, Henderson, NV

10:15 AM - 11:05 AM RG, PD
Room: Tuscany 10

S047: Changing Teaching: The Possibility of Cross-Institutional Site Visits

Learn about professional learning possibilities from participation in a cross-institutional site visit (CISVs). One CISV model used in AMATYC's Teaching for PROWESS project will be shared. Discuss strategies for making a CISV happen, either as a host or a visitor, and for continuing professional learning once the visit ends.

Presenters:

Ann Sitomer - Oregon State Univ, Corvallis, OR

Scott Adamson (2007 Teaching Excellence Award Recipient) - Chandler Gilbert CC, Chandler, AZ

10:15 AM - 11:05 AM MI, PS
Room: Tuscany 11/12

S048: Function Fusion: Graphs, Equations, and Meaning in Precalculus

Functions don't live in silos. This session explores powerful strategies to connect equations, graphs, and real understanding. Engage in Desmos activities, error analysis, and interactive tools that transform Precalculus into a cohesive, intuitive experience - helping students build lasting fluency across algebraic, numerical, and graphical representations.

Presenters:

Asli Mutlu - Wake Tech CC, Raleigh, NC

Chase Tuttle - Wake Tech Community College, Raleigh, NC

President: Jonathan Engelman - Kettering College, Kettering, OH

10:15 AM - 11:05 AM SM, TC
Room: Naples 1/2

S049: Fun Problems From Recent American Mathematics Competitions

American Mathematics Competition (AMC) problems at the 8th-12th grade levels will be shared. These problems are fun for developing anyone's problem-solving skills. Engaging classroom activities are provided. One presenter has authored a training book for the AMC, and the other is a long-standing writer of problems for these competitions.

Presenters:

Scott Annin - California State Univ, Fullerton, Fullerton, CA

Steven Davis - California State Univ, Fullerton (Retired), Fullerton, CA

President: George Soliman - Raritan Valley CC, Branchburg, NJ

Themed Session

Project ACCESS Themed Session

Sponsored by the Project ACCESS

Lisa Feinman, Coordinator

10:15 AM - 10:30 AM EQ

Room: Tuscany 3/4

T6A: Study of Mastery Based Grading on Student Math Anxiety, Confidence, and Success

In this presentation, we will share our findings on the effect of Mastery Based Grading in College Algebra, PreCalculus, and Calculus I classes. The mode of administration, student performance and growth, experiences along the way and thoughts for improvement will be shared.

Presenters:

Deepa Ramakrishnan (2024 Project ACCESS Fellow) - Frederick CC, Frederick, MD

Noah Weiss (2024 Project ACCESS Fellow) - Southeast CC, Lincoln, NE

Reena Tandon (2024 Project ACCESS Fellow) - St. Louis CC, St. Louis, MO

10:35 AM - 10:50 AM PS

Room: Tuscany 3/4

T6B: Teaching Math Study Skills to Students in Math Courses

Math instructors often overlook that students in lower-level classes lack both math skills and study strategies. This presentation will focus on the effects of note-taking, time management, test prep, and assessing their impact on success using surveys, exams, and grades from spring 2025 and previous semesters.

Presenters:

Jonathan (Cole) Regnery (2024 Project ACCESS Fellow) - Rock Valley College, Rockford, IL

Melida Paz (2023 Project ACCESS Fellow) - Los Angeles Mission College, Sylmar, CA

Ramiro Garcia (2023 Project ACCESS Fellow) - Pierce College, Woodland Hills, CA

10:55 AM - 11:10 AM

SM

Room: Tuscany 3/4

T6C: Reflection on Reflections: Are Reflective Questions Working?

This project explores the role of reflective practices in enhancing student learning and self-awareness in a math course. Over the course of a term, students engage in structured reflection prompts designed to assess their preparation strategies, metacognitive skills, and plans for improvement. These reflections are placed before and after key assessments, such as exams, to capture shifts in student perceptions, learning experiences, and study habits.

Presenters:

Kaiwen Amrein (2024 Project ACCESS Fellow) - Clackamas CC, Oregon City, OR

Stuart Hamilton (2024 Project ACCESS Fellow) - Saint Louis CC, Saint Louis, MO

Divya Ajinth (2024 Project ACCESS Fellow) - Waubensee CC, Sugar Grove, IL

11:25 AM - 11:40 AM

SM

Room: Tuscany 3/4

T6D: Implementation of Authentic Industry Projects in the Classroom

Inspired by the Wake Tech CIMI Program Student Activities, this presentation will explore several industry based lessons in College Algebra and Precalculus. The purpose is to make math more engaging and relevant for students by showing where math is used in the workplace. An analysis of student feedback data will be discussed.

Presenters:

Becca Roberts (2024 Project ACCESS Fellow) - Snow College, Ephraim, UT

Patsy Herman (2024 Project ACCESS Fellow) - Phoenix College, Phoenix, AZ

11:25 AM - 11:40 AM SM

Room: Tuscany 5/6

T6E: Projects to Alleviate Math Anxiety

Traditional math assessments often cause anxiety. Over two semesters, we replaced quizzes with projects to reduce this. Using pre-assessments, alternating quizzes and projects, and post-assessments, we measured students' experiences with math anxiety, tracking changes in their perceptions and stress levels.

Presenters:

Cristy Hanlon (2024 Project ACCESS Fellow) - West Virginia Univ at Parkersburg, Parkersburg, WV
Melvin Cacayorin (2024 Project ACCESS Fellow) - Red Rocks CC, Lakewood, CO

11:45 AM - 12:00 PM MI

Room: Tuscany 5/6

T6F: Innovative Pedagogy in Calculus III

To encourage students to take more ownership in their learning, we implemented active learning techniques and mastery-based grading in Calculus III classes. This presentation will focus on our implementation of these techniques and results in student performance and engagement level.

Presenters:

Rachel Friedman (2024 Project ACCESS Fellow) - Trident Technical College, North Charleston, SC
Cory Wilson (2024 Project ACCESS Fellow) - Oklahoma City CC, Oklahoma City, OK

12:05 PM - 12:20 PM IG

Room: Tuscany 5/6

T6G: Do Faculty Speak a Different Language in Math?

Students come to math classes with different experiences and backgrounds. What happens when these students come from learning math in a different language? This presentation will explore what International students think helps and hinders them in our American classrooms.

Presenters:

Nicole Conway (2024 Project ACCESS Fellow) - Iowa Western CC, Council Bluffs, IA
Sidney Jennings (2024 Project ACCESS Fellow) - Lone Star College-University Park, Houston, TX

11:25 AM

11:25 AM - 12:15 PM MI, IG

Room: Tuscany 1

S050: Counting Conundrums and Casino Games For Your Class

What's a conference in Reno without casino games? You won't learn to count cards, but you will make connections between mathematical counting concepts and strategies in games of chance. There will also be some new puzzles and unique twists on classic games to take back to your classrooms!

Presenter:

Sean Saunders - Sheridan College, Brampton, ON
Presider: Alexander Henderson - Northland Pioneer College, Holbrook, AZ

11:25 AM - 12:15 PM SM

Room: Tuscany 7

S051: Enhancing Student Success With Embedded Tutoring and Active Learning

Learn how a multi-campus institution implemented the use of embedded tutors in Corequisite, Stem Courses and Non-stem Courses to increase student success and to support the use of active learning. The process to create and maintain the program will be shared as well as how students and faculty have responded.

Presenters:

Kim Granger - St. Louis CC, St. Louis, MO
Jeff Howell - St. Louis CC, St. Louis, MO
Presider: Lindsay Good - Saint Joseph's Univ, Lancaster, PA

11:25 AM - 12:15 PM MI, PD

Room: Tuscany 9

S052: Curiosity in Calculus

This session will examine 25+ interesting calculus questions - some still unanswered - that students/colleagues have proposed over 20 years of teaching. Questions originated from hunches and curiosities. Solution attempts opened many doors, including connections to different content areas and research investigations. These questions resurface time and again in calculus instruction.

Presenter:

Keith Nabb - Univ of Mary Washington, Fredericksburg, VA
Presider: Robert Cappetta - Florida SouthWestern State College, Fort Myers, FL

11:25 AM - 12:15 PM IG, MN
Room: Tuscany 10

S053: The Pythagorean Proposition and the Enduring Beauty of Mathematics

In the 1800's, Charles Dodgson observed, "The Pythagorean theorem is as dazzlingly beautiful now as it was the day when Pythagoras first discovered it." In this talk, we will explore the history of the theorem and the beauty that it still reveals today.

Presenter:

John Martin - Santa Rosa Junior College, Santa Rosa, CA
Presider: Mika Munakata - Montclair State Univ, Montclair, NJ

11:25 AM - 12:15 PM SM, TL
Room: Tuscany 11/12

S054: Raise the Stakes and Go All In with Memes, GIFs, and Other Tech Tips

Using memes and GIFs can help students be more comfortable in your class and help you get your messages across more effectively. Learn how to create gifs, memes, and other fun ways to interact with your students. Bring your technology and leave with memes and gifs for your classes.

Presenters:

Sherry McCormack - Hopkinsville CC, Hopkinsville, KY
Arthur Schultz - Hopkinsville CC, Hopkinsville, KY
Pat Riley - Hopkinsville CC, Hopkinsville, KY
Presider: Jennifer Ackerman - Louisville Collegiate School, Louisville, KY

11:25 AM - 12:15 PM IG, MN
Room: Naples 1/2

S055: The Basics of Sports Betting Along With Corresponding Expected Values

The presentation is a basic overview of Sports Betting with the mathematics that goes along with it. This talk will explore the "How to" along with how the probabilities are calculated. Attendees will have a better understanding of what the bets on the big board in a casino Sportsbook involve.

Presenter:

Patrick Villa - College of Southern Nevada, Las Vegas, NV
Presider: Evan Evans - Frederick CC, Frederick, MD

11:25 AM - 12:15 PM PS, PD
Room: Naples 3/4

S056: Sharing Session: Placement and Assessment Issues

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

12:35 PM

12:35 PM - 1:25 PM ANet Academic Exchange
Room: Tuscany 1

M01: International Mathematics Academic Network Exchange

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

12:35 PM - 1:25 PM ANet Academic Exchange
Room: Tuscany 2

M02: Mathematics and its Applications for Careers Academic Network Exchange

This community will address mathematics for Engineering Tech, Health areas, Business Tech areas, Information Tech areas, Emerging tech areas, Trades, etc.

Presenter:

Natalia Postrigan - California Lutheran Univ,
Thousand Oaks, CA

12:35 PM - 1:25 PM ANet Academic Exchange
Room: Tuscany 8

M03: Statistics and Data Science 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.

Presenter:

Crystal Wiggins (2014 Project ACCESS Fellow) -
CT State Northwestern, Winsted, CT

12:35 PM - 1:25 PM ANet Academic Exchange
Room: Tuscany 9

M04: Research in Mathematics Education for Two-Year Colleges Academic Network Exchange

This community will discuss ways to encourage quality research in mathematics education in two-year colleges.

Presenter:

Frank Marfai - Phoenix College, Phoenix, AZ

12:35 PM - 1:25 PM ANet Academic Exchange
Room: Tuscany 10

M05: Equity Academic Network Exchange

This community will discuss ways to increase mathematics achievement for diverse learners.

Presenter:

Benjamin Aschenbrenner - National Louis Univ, Chicago, IL

12:35 PM - 1:25 PM ANet Academic Exchange
Room: Naples 1/2

M06: Quantitative Reasoning Academic Network Exchange

This community supports faculty who teach quantitative reasoning and related mathematics courses by discussing issues of intent, content, placement, transferability, and teaching practices in these courses; by helping faculty navigate various delivery formats such as face to face, online, and blended; and by providing ideas to develop such courses.

Presenter:

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

12:35 PM - 1:25 PM ANet Academic Exchange
Room: Naples 3/4

M07: Placement and Assessment Academic Network Exchange

This community focuses on issues related to placement and assessment of student outcomes and mathematics programs.

Presenter:

Christine Mirbaha - CC of Baltimore County, Baltimore, MD

12:35 PM - 1:25 PM ANet Academic Exchange
Room: Naples 6

M08: Division/Department Leadership Academic Network Exchange

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.

Presenter:

Chris Ward - Southern West Virginia CTC, Foster, WV

12:35 PM - 1:25 PM TC, PD
Room: Tuscany 3/4

S057: From Math for Teachers to Math for All: Transfer of Teaching Practices

How do professional development takeaways for faculty teaching math for future teachers extend across the curriculum? This session shares the pedagogical and content-specific insights - such as conceptual understanding of fractions, collaborative learning, and equitable teaching practices - that faculty participants took with them to courses like College Algebra, Statistics, and more.

Presenters:

Cristina Runnalls - Cal Poly Pomona, Pomona, CA
Anne Cawley - Cal Poly Pomona, Pomona, CA
Irving Lai - Mount San Antonio College, Walnut, CA
Krysten DeWilde - Mount San Antonio College, Walnut, CA
Presider: Linda Dart-Kathios - Middlesex CC, Lowell, MA

12:35 PM - 1:25 PM MI, TL
Room: Tuscany 5/6

S058: Creating Effective Online Homework Problems for Algebra and Calculus

Online homework helps students spend more time practicing math, but are we assigning pedagogically well-designed problems that help students truly learn the mathematics? This presentation covers a series of online homework problems that address this question. To support student learning and critical thinking, many include intermediate steps or conceptual components.

Presenter:

Paul Seeburger - Monroe CC, Rochester, NY
Presider: Dan Clegg - Palomar College, San Marcos, CA

12:35 PM - 1:25 PM TL, PD
Room: Tuscany 11/12

S059: Connect Online Faculty to Campus Through Mentoring in the TOP Program

With the increase of online, colleges are hiring instructors who never step foot on campus. The Teaching Online Partners (TOP) Program pairs new online faculty with experienced mentors for a semester. This partnership supports course exploration, promotes student engagement strategies, and builds a collaborative network for the new faculty members.

Presenters:

Keri Siler - Valencia College, Orlando, FL
Joanne Kiriazes - Valencia College, Orlando, FL

1:45 PM

1:45 PM - 2:35 PM PS, SM
Room: Tuscany 1

S060: Exploring Shifts for Transforming Assessment

There's so much to think about when it comes to grades: Are your current practices good enough? Should you switch to some other assessment style? Learn the pros and cons of different grading practices and find ways to bring thoughtful improvements (big or small) to your current practices.

Presenters:

Peter Keep - Moraine Valley CC, Palos Hills, IL
Kelly Spoon (2018 Project ACCESS Fellow) - San Diego Mesa College, San Diego, CA
Presider: Sean Saunders - Sheridan College, Brampton, ON

1:45 PM - 2:35 PM TL
Room: Tuscany 3/4

S061: AI in the Math Classroom: A Novice-Friendly Guide

This presentation explores the practical applications of artificial intelligence (AI) for mathematics instructors. Learn how AI can assist with administrative tasks, generate creative activities, rewrite assessments, design syllabi, automate reminders, and more. Discover how to leverage AI as a novice user to enhance your teaching and streamline your workflow.

Presenter:

Carrie Lineberry - Randolph CC, Asheboro, NC
Presider: Kevin Jauregui - Univ of Jamestown, Jamestown, ND

1:45 PM - 2:35 PM RG, MI
Room: Tuscany 5/6

S062: Video-Based Assessment of Exponential and Logarithmic Functions

This study examines video-based assessments' impact on understanding exponential-logarithmic function relationships in intermediate algebra. Comparative analysis of online and face-to-face sections reveals implementation challenges and successes. Students in both formats demonstrated increased performance, engagement, and confidence, informing targeted STEM instruction.

Presenters:

Eunmi Joung (2022 Project ACCESS Fellow) - Utah Valley Univ, Orem, UT
Miran Byun - John A. Logan College, Carbondale, IL
Presider: Mari Menard - Lone Star College - Kingwood, Kingwood, TX

1:45 PM - 2:10 PM IG, MI
Room: Tuscany 2

S063A: Enhancing Scholarship by Solving Math Problems in Journals

The presenter will share their experience submitting math problem solutions to journals as an alternative approach to strengthening scholarship. This session will discuss two primary outcomes and their sub-outcomes, using real examples and images. The talk emphasizes that scholarly growth can extend beyond traditional article publishing.

Presenter:

Ivan Retamoso (2019 Project ACCESS Fellow) - Borough of Manhattan CC, New York, NY
Presider: Jason Farrington - Paradise Valley CC, Phoenix, AZ

1:45 PM - 2:10 PM SM, EQ
Room: Tuscany 7

S064A: The GED Holders in CC Classrooms: How to Meet Their Needs?

While many incoming learners of CC's are high school graduates, some may be GED holders. This presentation aims to contrast the differences between high school and GED math standards from instructions, assessment structures, test items, to learners' dispositions within each population. Instructional strategies for addressing the GED population will be shared.

Presenter:

Chris Yuen - SUNY Buffalo, Buffalo, NY
Presider: Barbara Johnson - Indiana Univ, Indianapolis, Indianapolis, IN

1:45 PM - 2:10 PM TL, MN
Room: Tuscany 8

S065A: Two Truths and AI: Introducing Students to the Responsible Use of AI

Artificial intelligence (AI) does not replace critical thinking. Show students how to use artificial intelligence to enhance their understanding of mathematical concepts instead of letting it do the work for them. Classroom activities and assignments will be shared that guide students to analyze their favorite chatbots' output critically.

Presenter:

Aja Shabana (2023 Project ACCESS Fellow) - Connecticut State CC, Middletown, CT
Presider: Glynis Mullins - Pitt CC, Greenville, NC

1:45 PM - 2:10 PM MI
Room: Tuscany 9

S066A: The Biggest Little Trig Activities!

Presenters will share some of their favorite trigonometry activities that help students develop deep understanding and recognize concept connections.

Presenters:

Cindy Moore - Asheville-Buncombe Technical CC, Asheville, NC
Tammy Sullivan - Asheville-Buncombe Technical CC, Asheville, NC
Presenter: Keith Nabb - Univ of Mary Washington, Fredericksburg, VA

1:45 PM - 2:10 PM MN, RG
Room: Tuscany 10

S067A: Make it Make Sense: Enhancing Critical Thinking With Active Learning

Enhance your students' critical thinking skills! During this session you will be introduced to active learning activities developed for Mathematical Thinking courses and an NSF-funded SEAL-M grant. Become informed as you actively immerse yourself in an Infographic Debate, Gallery Walk and Error Analysis.

Presenters:

Shelletta Baker - Valencia College, Orlando, FL
Anthony Dixon - Valencia College, Orlando, FL
Presenter: Kim Walters - Mississippi State Univ, Starkville, MS

1:45 PM - 3:45 PM EQ, ST
Room: Tuscany 11/12

W2: Stats for Today's Student: Intuition + No Cost = Success + Confidence

Teach statistics at no cost with guided worksheets developed to give students intuition and a practical understanding of the world. Built specifically for students uncomfortable with math, but all levels will enjoy success and gain confidence. Non-statistics teachers are especially encouraged. Bring your smartphone for the best experience!

Presenter:

Katrina Keating (2008 Project ACCESS Fellow) - Diablo Valley College, Pleasant Hill, CA
Presenter: Jennifer Mallett - York County CC, Wells, ME

2:15 PM

2:15 PM - 2:40 PM IG, EQ
Room: Tuscany 2

S063B: The Biggest Little Secret: Break the Code to Decipher Gen Z Jargon

When you overhear a student exclaim that class was "fire", there's no need to panic. They don't mean you should be fired; but they think class was "awesome!" This interactive session is for anyone who wants to unlock the meaning of the Gen Z jargon used by students.

Presenter:

Kim Granger - St. Louis CC, Wildwood Campus, Wildwood, MO
Presenter: Jason Farrington - Paradise Valley CC, Phoenix, AZ

2:15 PM - 2:40 PM PD, EQ
Room: Tuscany 7

S064B: The Good, The Bad, and The Ugly of Prison Math Courses

This presentation is share some of the great outcomes to teaching incarcerated students as well as some of the challenges and flexibility required in a prison math course.

Presenter:

Katherine Hiebert-Brumley (2022 Project ACCESS Fellow) - Dyersburg State CC, Dyersburg, TN
Presenter: Barbara Johnson - Indiana Univ, Indianapolis, Indianapolis, IN

2:15 PM - 2:40 PM TC, SM
Room: Tuscany 8

S065B: Exploring Learners' Misconceptions in Algebraic Problem Solving

Many students struggle with algebra due to misconceptions about variables and the equal sign. This session explores these common misunderstandings that hinder algebraic reasoning and presents research-based instructional strategies to address them. Attendees will gain insights into effective interventions that enhance conceptual understanding and improve student success in Algebra.

Presenter:

Patrick Obot - Univ of Houston, Texas, TX
Presenter: Glynis Mullins - Pitt CC, Greenville, NC

2:15 PM - 2:40 PM MI, PD
Room: Tuscany 9

S066B: To Prove or Not to Prove

At some point, proofs become an essential and ubiquitous part of mathematics education. What should their role be in an elementary calculus sequence? Several particular proofs are discussed that will enhance student understanding of calculus, as well as connect calculus to other undergraduate mathematics.

Presenter:

Steve Wheatley - Montgomery College, Germantown, MD
Presider: Keith Nabb - Univ of Mary Washington, Fredericksburg, VA

2:15 PM - 2:40 PM MN, IG
Room: Tuscany 10

S067B: Teaching the Collatz Conjecture in a Liberal Arts Math Course

The Collatz Conjecture is one of the most difficult open problems in mathematics. The conjecture is simple to describe and to demonstrate how it works. It provides rich opportunities for teaching about mathematical patterns and reasoning in a Liberal Arts Mathematics course.

Presenter:

Alexander Atwood - Suffolk County CC, Selden, NY
Presider: Kim Walters - Mississippi State Univ, Starkville, MS

2:55 PM

2:55 PM - 3:45 PM PS, PD
Room: Tuscany 1

S068: Assessing Success: Creating & Calibrating Grading Rubrics

Explore strategies for crafting clear, impactful grading rubrics and participate in calibration exercises to ensure fairness and consistency. This session is ideal for instructors whose courses involve written assignments or projects, offering practical tools to enhance grading transparency and assess learning outcomes to measure student success.

Presenter:

Lori Holdren - American College of Healthcare Sciences, Portland, OR

2:55 PM - 3:45 PM IG, MI
Room: Tuscany 2

S069: Teaching Mathematics Through Puzzles, Games, Music, and Art

Explore games, puzzles, musical activities, and artistic activities that make it fun to learn meaningful mathematical concepts, and help to build student interest and confidence in Discrete Mathematics and Liberal Arts Math. The presenter will showcase an active learning approach that makes mathematics more accessible to a wide variety of students.

Presenter:

Miriam Harris-Botzum - Lehigh Carbon CC, Schnecksville, PA
Presider: Sherry McCormack - Hopkinsville CC, Hopkinsville, KY

2:55 PM - 3:45 PM PD, RG
Room: Tuscany 3/4

S070: Future Directions in Mathematics Education: Research, Policy, Practice

In 2024, experts across K-12 education, postsecondary, and workforce sectors convened to define a vision for mathematics education. This session explores the resulting recommendations, focusing on equity, collaboration, and innovation in teaching and learning. Participants will discuss connections to their work and emerging trends shaping the future of mathematics education.

Presenters:

Ann Edwards - WestEd, San Francisco, CA
Laura Watkins (2004 Project ACCESS Fellow, 2015 Teaching Excellence Award Recipient) - Glendale CC, Glendale, AZ
Julie Phelps - Valencia College, Orlando, FL
Presider: Daniel Ozimek - Saint Joseph's Univ, Lancaster, PA

2:55 PM - 3:45 PM TL, SM
Room: Tuscany 5/6

S071: Just a Little Chat for Big Transformation: AI-Support Math Chats

Let's get real! Students will use artificial intelligence, specifically AI-chatbots, when learning. So, let's get modern! Join in with your mobile device or laptop to experience AI-chatbots to super-charge motivation, increase cognitive presence, and improve the learning potential for many course activities in this strategy-rich, interactive mini-workshop.

Presenters:

Kirsten Meymaris - Purdue Univ Global, West Lafayette, IN
Melissa Scranton - Purdue Univ Global, West Lafayette, IN
Mary Bruce - Purdue Univ Global, West Lafayette, IN
Presider: Mark Colgan - Taylor Univ, Upland, IN

2:55 PM - 3:45 PM SM, PD
Room: Tuscany 7

S072: Active Learning Strategies to Encourage Students' Sense of Belonging

Creating opportunities for students to interact with their peers and the instructor can encourage students' sense of belonging and support success. In this session, participants will learn activities and teaching approaches that can be incorporated into their courses and share their own strategies and activities.

Presenter:

Sonia Petch - Collin College, McKinney, TX
Presider: Manisha Ranade - Santa Fe College, Gainesville, FL

2:55 PM - 3:45 PM MI
Room: Tuscany 8

S073: Math Intensive Sharing Session

Come discuss the challenges of teaching upper-level mathematics courses in the first two years of collegiate. Attendees will be asked to share ideas about precalculus, calculus, differential equation, linear algebra and more.

Presenters:

Robert Cappetta (2017 Teaching Excellence Award Recipient) - Florida SouthWestern State College, Fort Myers, FL
Michael Caparula - Kankakee CC (retired), Kankakee, IL
Eric Hutchinson - College of Southern Nevada, Las Vegas, NV
Presider: Robert Cappetta - Florida SouthWestern State College, Fort Myers, FL

2:55 PM - 3:45 PM SM, TC
Room: Tuscany 10

S074: Revitalizing the Mathematics Experience for ALL

Reimagined, Revitalized, and Relevant are the new three "Rs" of mathematics. To foster student engagement and promote positive mathematical identities, faculty must revitalize the student experience to include student-centered approaches. In this session, strategies for organizing content will be explored in meaningful ways to make mathematics engaging, relevant, connected, and coherent.

Presenter:

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

2:55 PM - 3:45 PM RG, MI
Room: Naples 1/2

S075: How Many Positive Integers are Less Than Their Tangents?

We do not know how often a positive integer is less than its tangent. As of 2014, only sixteen such numbers have been found. We've found more, and we'll discuss continued fraction basics that may lead to a full answer to the question, due to David Bellamy (1998).

Presenter:

Dana Clahane - Fullerton College, Fullerton, CA
Presider: Ann Sitomer - Oregon State Univ, Corvallis, OR

2:55 PM - 3:45 PM EQ, SM
Room: Naples 3/4

S076: An Activity of a Different (Card) Sort

Card sorts provide an opportunity for the learning to pass from the instructor to the students. In the classroom (physical/digital) these allow students to explore concepts from class in interactive groups. This also gives the instructor a moment to catch any misconceptions that are occurring in the students' understanding.

Presenter:

Katey Ellis - Aims CC, Greeley, CO

4:05 PM

4:05 PM - 4:55 PM MI
Room: Tuscany 5/6

S077: Faculty Math League

Participate in the 21st Annual Faculty Math League contest, based on AMATYC's Student Math League competition. This 18-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 Prigel (2012 Project ACCESS Fellow) - Harrisburg Area CC, Harrisburg, PA

THANK YOU

SPECIAL CONTRIBUTIONS

Truckee Meadows CC – 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

TPSE Math – for sponsoring the Friday Night Reception



NevMATYC – for local planning and support

AMATYC West Region – for local support



PROFESSIONAL NETWORKING/HOSPITALITY AREA SPONSORS

- Arizona Mathematical Association of Two-Year Colleges (ArizMATYC)
- Alabama Mathematical Association of Two-Year Colleges (AlaMATYC)
- Florida Two-Year College Mathematics Association (FTYCMA)
- Georgia Mathematical Association of Two-Year Colleges (GMATYC)
- Kentucky Mathematical Association of Two-Year Colleges (KYMATYC)
- Louisiana-Mississippi Mathematical Association of Two-Year Colleges (La-MsMATYC)
- Maryland Mathematical Association of Two-Year Colleges (MMATYC)
- Ohio Mathematical Association of Two-Year Colleges (OhioMATYC)
- Wyoming Mathematical Association of Two-Year Colleges (WYMATYC)

8:30 AM

8:30 AM - 9:15 AM PD, RG
Room: Tuscany Ballroom

Keynote: Mathematics is the Language of the Universe; Physics is the Poetry!

This presentation will discuss sports physics research including soccer ball aerodynamics, along with the role of AI in sports and academia. From a love of physics, the presenter will highlight the challenges and opportunities facing higher education amidst demographic shifts in this demographic cliff year.

Presenter:

John Eric Goff - Univ of Puget Sound, Tacoma, WA
Presider: George Hurlburt, AMATYC President

10:00 AM

10:00 AM - 11:00 AM
Room: Salon / Exhibit Hall

Room: Tuscany E/F / Exhibit Hall

Dedicated Exhibits Time

Take advantage of dedicated time to visit exhibitors in Tuscany E/F / 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.

11:00 AM

11:00 AM - 11:50 AM PS, SM
Room: Tuscany 1

S078: Adventures in Alternative Assessments: Oral Exams

Oral exams provide an alternate form of assessment that does not sacrifice rigor, making it especially suitable for upper-level math courses. It provides students with another way to demonstrate their expertise in mathematical discourse. They will discuss ways in which they've implemented this in Calculus II and Differential Equations.

Presenters:

Katey Ellis - Aims CC, Greeley, CO
Marki Allegar - Aims CC, Greeley, CO
Marcus Painter - Aims CC, Greeley, CO

11:00 AM - 11:50 AM IG, EQ
Room: Tuscany 2

S079: Bringing the World to Campus: Internationalizing Mathematics

Globalization in community college mathematics will be explored in an interactive session. Strategies, including internationalizing assignments, campus events, study abroad and virtual exchange will be discussed along with their challenges and joys. Discover how to build global experiences for all students, enhance their intercultural knowledge and develop their career readiness.

Presenters:

Manisha Ranade (2016 Project ACCESS Fellow) - Santa Fe College, Gainesville, FL
Breanne Hooks - Santa Fe College, Gainesville, FL
Presider: Sarah Davenport - Southern Illinois Univ, Edwardsville, Edwardsville, IL

11:00 AM - 11:50 AM SM
Room: Tuscany 3/4

S080: Active Learning Plus Growth Mindset Equals Success!

Educators seeking to enhance their teaching methods will find this presentation invaluable. Attendees will gain practical strategies to boost student engagement, promote collaboration, and foster a growth mindset. The session includes hands-on activities ready for immediate classroom implementation. Don't miss this opportunity to transform your educational approach.

Presenter:

Glynis Mullins - Pitt CC, Greenville, NC

Presider: Kim Kullander - Pulaski Tech College, Little Rock, AR

11:00 AM - 11:50 AM TL, EQ
Room: Tuscany 5/6

S081: Building Innovative Ways to Assess Students in the Age of AI

How do you measure learning in an environment where students can point a browser at an AI program to do all their work for them? Join the Innovative Teaching and Learning ANet for this collaborative sharing session to discover and/or share effective ways to assess in this online environment.

Presenter:

Jennifer Ackerman - Louisville Collegiate School, Louisville, KY

Presider: Filippo Posta - Phoenix College, Phoenix, AZ

11:00 AM - 11:50 AM TC, PD
Room: Tuscany 7

S082: Mathematics and Applications to Careers ANet: 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 - California Lutheran Univ, Thousand Oaks, CA

11:00 AM - 11:50 AM SM, PD
Room: Tuscany 8

S083: Empowering Holistic Student Support: Lessons From Corequisites

This presentation will highlight the exemplary work from an institution in supporting corequisite students as part of a corequisite project. The session will explore the college's innovative approaches to implementing and scaling corequisite models, faculty engagement strategies, and data-driven decision-making that have contributed to student success.

Presenters:

Caroline Kuyumcuoglu - Northwest Vista College, San Antonio, TX

Tammi Perez-Rice - The Charles A. Dana Center at the University of Texas at Austin, Austin, TX

Cassidy Kist - The Charles A. Dana Center at the University of Texas at Austin, Austin, TX

11:00 AM - 11:50 AM ST, TL
Room: Tuscany 9

S084: Stop Rolling the Dice With Discussion Posts to Fulfill RSI

This session will focus on meaningful discussion posts that really help students engage in an online class while empowering students to use AI responsibly. You will leave with discussion prompts and strategies for real engagement in your online classes.

Presenters:

Holly Bass - Asheville-Buncombe Technical CC, Asheville, NC

Jennifer Tracy - Asheville-Buncombe Technical CC, Asheville, NC

Presider: James Lapp - Univ of Maryland Global Campus, Vilsack, Germany

11:00 AM - 11:50 AM EQ, PD
Room: Tuscany 10

S085: Advancing Accessibility for Everyone

Is your class fully accessible to all students on Day 1? Learn how and why to take a step or two in that direction right now. Learn tips for Canvas, Docs, lecture videos, and course policies.

Presenter:

Kate Cook - Clark College, Vancouver, WA

Presider: Mandana Delavari - Univ of Houston, Houston, TX

11:00 AM - 11:50 AM MI, TL
Room: Tuscany 11/12

S086: What's New in CalcPlot3D? Interactive Visualizations for Calculus

Come learn about CalcPlot3D, an online tool for learning multivariable calculus, and explore some of its new features, including Taylor polynomials, synchronized curve animation, GIF generation, 3D-printing contour plots, and demonstrating cylindrical and spherical coordinates. If time permits, some additional visualization tools will be demonstrated for differential equations and single-variable calculus.

Presenter:

Paul Seeburger - Monroe CC, Rochester, NY
Prsider: Peter Keep - Moraine Valley CC, Palos Hills, IL

11:00 AM - 11:50 AM PD
Room: Naples 1/2

S087: Rising Together: A System for Excellence in Teaching and Learning

This presentation reveals a dynamic shift from isolation to collaboration that transforms student outcomes and revitalizes teaching methods. It introduces a system where teamwork drives course improvement, shared decision-making refines practices, and evidence guides learning enhancements. Discover how collaborative strategies boost student success and foster a dedicated community of educators.

Presenters:

Siobahn Suppa - Stockton Univ, Galloway, NJ
Alysia Goyer - Stockton Univ, Galloway, NJ
Mariam Hussein - Stockton Univ, Galloway, NJ

12:10 PM

12:10 PM - 1:00 PM Committee Meeting
Room: Tuscany 9

M09: 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

12:10 PM - 1:00 PM IG, PD
Room: Tuscany 1

S088: International Mathematics Sharing Session

The International Mathematics ANet invites you to share experiences, resources, successes, and challenges in an informal discussion. Hear how colleagues are implementing global projects into their courses, take math students on study abroad or start collaborating with a foreign college/university. Bring your questions and share your experiences.

Presenter:

Barbara Leitherer - CC of Baltimore County, Baltimore, MD

12:10 PM - 1:00 PM EQ, MI
Room: Tuscany 2

S089: Bringing Joy of Mathematics to the Community

In this talk, the presenter will share activities that bring fun to mathematics at the middle school, high school, and college levels. Initiatives by the college Math Club will be showcased and quick activities used to engage students at the start of various classes will be demonstrated.

Presenter:

Jayashree Hurlburt - SUNY, Corning CC, Corning, NY
Prsider: Dora Trujillo - LaGuardia CC, Long Island City, NY

12:10 PM - 1:00 PM SM, TL
Room: Tuscany 3/4

S090: Integrating Active Learning Activities in Your Precalculus Classes

This presentation provides a discussion on how to implement active learning activities in precalculus, giving participants the opportunity to practice an active learning activity they can take home and directly implement in their courses. Additional resources for active learning activities will be provided.

Presenter:

Carrie Lineberry - Randolph CC, Asheboro, NC

Prsieder: Luke Walsh - Catawba Valley CC, Hickory, NC

12:10 PM - 1:00 PM TL, EQ
Room: Tuscany 5/6

S091: Using ChatGPT to Support and Enhance Math Learning for Students

This presentation examines how ChatGPT can enhance math education by providing personalized support, simplifying concepts, and improving problem-solving. It highlights practical applications of AI tools in the classroom, demonstrating their potential to make math more engaging, accessible, and effective for students at various learning levels.

Presenter:

Marcelo Guerra Hahn - Lake Washington Instiute of Technology, Kirkland, WA

Prsieder: Patrick Obot - Univ of Houston, Houston, TX

12:10 PM - 1:00 PM TC, PD
Room: Tuscany 7

S092: It's Just Subtraction...Right? Engaging With Alternative Algorithms

Interpreting unconventional student thinking remains one of the most challenging components of math instruction, especially when content is "simple." In this session, we investigate three students' nontraditional approaches to subtraction. Join in examining the strategies and discussing how faculty in a professional development program grappled with the surprising approaches.

Presenters:

Anne Cawley - Cal Poly Pomona, Pomona, CA

Cristina Runnalls - Cal Poly Pomona, Pomona, CA

Elizabeth Cannis - Chaffey College, Rancho Cucamonga, CA

Martha Hall - Mt. San Antonio College, Walnut, CA

Prsieder: Curtis Mitchell - Kirkwood CC, Cedar Rapids, IA

12:10 PM - 1:00 PM SM, PD
Room: Tuscany 8

S093: Mindful Math: Reduce Stress & Build Confidence for Student Success

Math anxiety is a major barrier to student success. This session explores how mindfulness techniques can help students reduce stress, develop a growth mindset, and gain confidence in mathematics. Attendees will experience mindfulness practices and learn strategies they can immediately integrate into their classrooms to support student learning and success.

Presenter:

Samantha Doluweera - Brookdale CC, Lincroft, NJ

12:10 PM - 1:00 PM MI
Room: Tuscany 10

S094: Teaching Differentiation and Integration Using Real Data

This presentation will demonstrate active-learning activities that allow students to explore the relationship between a function and its derivative using real data. By making connections to real-world problems, students gain a greater understanding of rate of change as well as an appreciation of the Fundamental Theorem of Calculus.

Presenter:

Jason Farrington - Paradise Valley CC, Phoenix, AZ

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

12:10 PM - 1:00 PM TC, RG
Room: Tuscany 11/12

S095: Talk It Out: Using Discourse to Prepare Preservice Teachers

This presentation explores mathematical discourse in strengthening content knowledge, vocabulary, and confidence in preservice teachers. Research results from four community colleges highlight the role of discourse in clarifying misconceptions, solidifying vocabulary and its effect on math anxiety. Attendees will discuss key data, and the importance of vocabulary use in discourse.

Presenter:

Linda Dart-Kathios - Middlesex CC, Lowell, MA

12:10 PM - 1:00 PM PD
Room: Naples 1/2

S096: A Professional Learning Community for Associate Faculty

The demanding schedules of many part-time instructors limit professional development opportunities and interaction with colleagues. Come and see a Professional Learning Community designed around associate faculty schedules and focused on their needs that supports their growth as instructors and provides a sense of community and belonging.

Presenter:

Barbara Johnson - Indiana Univ, Indianapolis, Indianapolis, IN

1:20 PM

1:20 PM - 2:10 PM ANet Academic Exchange
Room: Tuscany 1

M10: Developmental Mathematics Academic Network Exchange

This community will discuss ways to improve the quality of developmental mathematics programs in colleges by providing a forum for the exchange of ideas.

Presenter:

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

1:20 PM - 2:10 PM ANet Academic Exchange
Room: Tuscany 2

M11: Mathematics Intensive Academic Network Exchange

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

1:20 PM - 2:10 PM ANet Academic Exchange
Room: Tuscany 7

M12: Mathematics Pathways Academic Network Exchange

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:

Meghan Carlson - Florida SouthWestern State College, Naples, FL

1:20 PM - 2:10 PM ANet Academic Exchange
Room: Tuscany 8

M13: Innovative Teaching and Learning Academic Network Exchange

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

1:20 PM - 2:10 PM ANet Academic Exchange
Room: Tuscany 9

M14: Research and Mentoring Experiences for Students and Faculty Academic Network Exchange

This community promotes high quality math research and math research mentoring and collaborations on two-year college campuses. The community strives to promote the development of undergraduate research in mathematics at two-year college; advocate for math research and mentoring opportunities in mathematics to be accessible to and meaningful for all two-year college students and faculty; and promote the formation of math research communities, collaborations, and partnerships between two-year colleges, four-year colleges and universities, and professional associations.

Presenter:

Dana Clahane - Fullerton College, Fullerton, CA

1:20 PM - 2:10 PM ANet Academic Exchange
Room: Naples 1/2

M15: Adjunct Faculty Issues Academic Network Exchange

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

1:20 PM - 2:10 PM ANet Academic Exchange
Room: Naples 3/4

M16: Teacher Preparation Academic Network Exchange

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.

Presenter:

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

1:20 PM - 2:10 PM IG, EQ
Room: Tuscany 3/4

S097: Content Analysis of Cultural Relevance in Community College Math Items

This session reports results of a study examining College Algebra assessments from five Texas community colleges using Culturally Relevant Education (CRE) markers. Results showed CRE markers appeared in less than 5% of assessment items, indicating a critical need to develop inclusive, equity-driven assessments that empower students as agents of change.

Presenters:

Patrick Obot - Univ of Houston, Houston, TX

Mandana Delavari - Univ of Houston, Houston, TX

Samuel Katende - Univ of Houston, Houston, TX

Carrie Cutler - Univ of Houston, Houston, TX

1:20 PM - 2:10 PM ST, TL
Room: Tuscany 5/6

S098: Scaffolded Learning in Data Science Through Assessment and Practice

Data science courses bring an increase in hands-on work to wrangle, visualize, and analyze data. In particular, using software to perform these operations and experience every part of the data science life cycle. This talk proposes a scaffolded approach to teaching, assessing and practicing these skills using software tools.

Presenter:

Hunter Glanz - California Polytechnic State Univ, San Luis Obispo, CA

Prsident: Shelletta Baker - Valencia College, Orlando, FL

1:20 PM - 2:10 PM SM, TC
Room: Tuscany 10

S099: Build Deep Understanding of Fractions With Hands-On Activities

Partake in tasks suitable for everything fraction - meaning and naming of fractions, ordering fractions, equivalent fractions, equal partitioning - all with a variety of different models including number lines, paper folding, and area. Participants will leave with activities that can be immediately used in future elementary mathematics teachers courses.

Presenters:

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

Keith Nabb - Univ of Mary Washington, Fredericksburg, VA

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

1:20 PM - 2:10 PM SM, EQ
Room: Tuscany 11/12

S100: Hitting it Big With Project Based Learning

Project-based learning through real world math projects emphasize individuality and fair assessment practices. This approach fosters a supportive environment where students can showcase their unique strengths while exploring mathematical concepts. Best practices and examples will be shared followed by brainstorming with the audience on their experiences with projects and assessment.

Presenter:

Chris Imm - Johnson County CC, Overland Park, KS

2:30 PM

2:30 PM - 3:20 PM SM
Room: Tuscany 3/4

S101: How Much Is Too Much? Designing Instruction to Manage Cognitive Load

Do you question if you are overwhelming your learners with too much information? This presentation explores how cognitive load theory can inform the design of effective math instruction. It provides practical strategies to optimize learning by managing intrinsic, extraneous, and germane cognitive load, freeing working memory for problem solving.

Presenter:

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

Prsident: Debbie Vallin - College of Southern Nevada, Las Vegas, NV

2:30 PM - 3:20 PM TL, ST
Room: Tuscany 5/6

S102: Illustrating Mathematical Concepts Using Technology (Desmos)

Desmos allows students to visualize and explore thorny mathematical concepts. Applications covering sampling methods, the Central Limit Theorem, confidence intervals, power calculations for hypothesis tests, and transforming graphs of functions will be demonstrated. Attendees are encouraged to bring a laptop. The audience will be polled to select additional topics.

Presenter:

James Lapp - Univ of Maryland Global Campus, Vilseck, Germany

2:30 PM - 3:20 PM ST, PD
Room: Tuscany 7

S125: Professional Development for Creating and Teaching Data Science

Data Science is expanding and two-year colleges are building pathways. Faculty need skills to teach these courses. This session covers technology tools such as RStudio, resources for learning, and effective pedagogy such as project-based and scaffolded instruction. Information about an NSF-funded summer workshop will also be shared.

Presenters:

Kathryn Kozak - Coconino CC, Flagstaff, AZ
Ambika Silva - College of the Canyons, Santa Clarita, CA
Vinodh Chellamuthu - Utah Tech Univ, Saint George, UT
Crystal Wiggins (2014 Project ACCESS Fellow) - CT State Northwestern, Winsted, CT

2:30 PM - 3:20 PM IG, SM
Room: Tuscany 8

S103: Math-Based Magic Show: A Mind-Blowing Fusion of Numbers and Illusions

This interactive magic show session combines the thrill of magic with mathematical principles, showcasing mind-bending tricks that reveal the math behind them. It demonstrates how math-based magic can inspire and engage students, making math both fun and educational.

Presenter:

Phong Chau - Arizona State Univ, Phoenix, AZ

2:30 PM - 3:20 PM MN, PS
Room: Tuscany 9

S104: Ten Tips for Student Engagement in Quantitative Reasoning

QuantNet 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 nationwide professional learning community, which are designed for student engagement and success.

Presenter:

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

2:30 PM - 3:20 PM PD
Room: Tuscany 10

S105: Slow Down to Speed Up: Accelerate Student Learning

How do you decide how to allocate time on topics throughout the semester? Discover how slowing down on foundational topics can accelerate learning on future topics. For example, results show that students performed better on financial literacy, exponential functions, and percents when more time was spent teaching percents.

Presenter:

Siobahn Suppa - Stockton Univ, Galloway, NJ

2:30 PM - 3:20 PM SM, PD
Room: Tuscany 11/12

S106: Experimental Calculus With Support - An Empowering Journey

Join for an engaging exploration of an experimental calculus with support course taken by 38 students. Discover insights on student performance, course pacing, structure, materials, and receive valuable advice for teaching a similar course. This presentation is perfect for anyone interested in innovative teaching methods.

Presenters:

Servando Pineda-Carranza - Diablo Valley College, Pleasant Hill, CA
Elizabeth Matlock - Diablo Valley College, Pleasant Hill, CA
Presider: Mandana Delavari - Univ of Houston, Houston, TX

2:30 PM - 3:20 PM IG, EQ
Room: Naples 1/2

S107: Content Analysis of Cultural Relevance in Community College Math Items

This session reports results of a study examining College Algebra assessments from five Texas community colleges using Culturally Relevant Education (CRE) markers. Results showed CRE markers appeared in less than 5% of assessment items, indicating a critical need to develop inclusive, equity-driven assessments that empower students as agents of change.

Presenters:

Patrick Obot - Univ of Houston, Houston, TX
Mandana Delavari - Univ of Houston, Houston, TX
Samuel Katende - Univ of Houston, Houston, TX
Carrie Cutler - Univ of Houston, Houston, TX

2:30 PM - 4:30 PM MI, EQ
Room: Tuscany 2

W3: Scaling Equity-Minded Teaching in STEM Through Data Coaching

This interactive workshop explores equity-minded teaching in STEM using data coaching. Participants will analyze disaggregated data, identify equity gaps, and apply inclusive instructional strategies. Hands-on activities will guide attendees in implementing data-informed teaching practices to improve student success. A laptop or tablet is recommended for data exploration.

Presenters:

Reem Jaafar - CUNY, LaGuardia CC, Queens, NY
Milena Cuellar - CUNY, LaGuardia CC, Queens, NY

3:40 PM

3:40 PM - 4:30 PM SM, TL
Room: Tuscany 3/4

S108: Flip Your Flipped Class into a BTC Class... Without Flipping Out

Discover how flipped teaching can be implemented to free up class time for active learning. The presenter has been flipping for over a decade, but has recently “flipped the flip” to implement the practices of BTC. Class activities and other resources will be shared.

Presenter:

Kim Granger - St. Louis CC, Wildwood Campus, Wildwood, MO
Presenter: Patrick Obot - Univ of Houston, Texas, TX

3:40 PM - 4:30 PM TL, MI
Room: Tuscany 5/6

S109: Polar Python: Exploring Climate Using Python in the Mathematics Classroom

This presentation discusses how Python Notebooks can be used in mathematics classrooms to promote computing prowess and deeper understanding of mathematical concepts. Climate modeling concepts are used to explore mathematical competencies such as unit conversion, proportionality, and integration. Attendees will have the opportunity to explore themselves by bringing a laptop.

Presenter:

Filippo Posta - Phoenix College, Phoenix, AZ
Presenter: Marcelo Guerra Hahn - Lake Washington Institute of Technology, Kirkland, WA

3:40 PM - 4:30 PM MI
Room: Tuscany 8

S110: Fun Ways to Engage Calculus/Precalculus Students With Active Learning

Participants will consider fun, low-tech ways to engage students with calculus/precalculus topics by involving them in activities where they solve real world problems or interact in small groups: such as the Rock-Paper-Scissors game, max/min Candy Dish, Spaghetti tangents, Football toss, Roller Coaster project, Hang-man words, Group Guessing games.

Presenter:

Mark Colgan - Taylor Univ, Upland, IN
Presenter: Ahmed Rasshed - Dallas College, Dallas, TX

3:40 PM - 4:30 PM SM, EQ
Room: Tuscany 9

S111: Meaningful Implementation of Math Autobiographies in the Classroom

Mathematical autobiographies are a useful assignment to explore students' stories and experiences, while also building a more humanizing classroom and a beloved community. This session will describe valuable rationale for using autobiographies, sample prompts, strategies for successful implementation, and ways to debrief the activity in a meaningful way.

Presenters:

Anne Cawley - Cal Poly Pomona, Pomona, CA
Mary Raygoza - Saint Mary's College of California, Moraga, CA
Presenter: Lukalu Munongo - CC of Baltimore County, Catonsville, MD

3:40 PM - 4:30 PM PD, TL
Room: Tuscany 10

S112: Contribute to the Development of New Standards for AI & Accessibility

AMATYC's Standards must remain on the cutting edge of providing guidelines for teaching mathematics and statistics in the first two years of college. Come share your thoughts and collaborate with members of the Standards Team on creating new AI standards, accessibility standards, and others suggested by session attendees.

Presenters:

Mark Earley - Columbus State CC, Columbus, OH

Michael Caparula - Kankakee CC, Kankakee, IL

Li Westman - Metropolitan CC, Omaha, NE

Prsident: Katherine Hiebert-Brumley - Dyersburg State CC, Dyersburg, TN

3:40 PM - 4:30 PM ST, SM
Room: Tuscany 11/12

S113: Nurturing Statistical Thinking in a First Statistics Course

As more students become interested in data science and statistics, there is a pressing need to promote student engagement while emphasizing statistical thinking and developing critical thinking, problem-solving, and data analysis skills over memorizing formulas. Come explore activities and strategies for engaging introductory students in learning how to think statistically.

Presenters:

Leif Ellingson - Texas Tech Univ, Lubbock, TX

Anna Panorska - Univ of Nevada, Reno, Reno, NV

Prsident: Hunter Glanz - California Polytechnic State Univ, San Luis Obispo, CA

3:40 PM - 4:30 PM IG, PD
Room: Naples 1/2

S114: 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 - Univ of Mary Washington, Fredericksburg, VA

Johanna Debrecht - Red Rocks CC, Lakewood, CO

George Alexander - Madison Area Technical College (Emeritus), Madison, WI

3:40 PM - 4:30 PM MI, TC
Room: Naples 3/4

S124: Encouraging Two-Year College Students in Mathematical Modeling

Mathematical modeling bridges theory with real-world problem-solving, fostering analytical thinking and interdisciplinary collaboration. Competitions like the Student Research League, Mathematical Contest in Modeling, and Interdisciplinary Contest in Modeling engage students in complex, open-ended problems. This session explores strategies to inspire and encourage participation, enhancing students' academic and career prospects.

Presenters:

Vinodh Chellamuthu - Utah Tech Univ, Saint George, UT

Ben Galluzzo - COMAP, Bedford, MA

Prsident: Reem Jaafar - CUNY, LaGuardia CC, Queens, NY

8:15 AM

8:15 AM - 9:05 AM SM, PS
Room: Tuscany 1

S115: Student Active Learning: Applying Engaging Strategies in the Classroom

In this presentation, the speaker will provide three best practice activities which help reinforce study skills, increase student engagement, and support learning. The presenter will describe the activities, share samples of the student created materials, and engage faculty in a discussion on how to implement the strategies in the classroom.

Presenter:

Lukalu Munongo - CC of Baltimore County, Catonsville, MD
Prsident: Veon Stewart - AdventHealth Univ, Orlando, FL

8:15 AM - 9:05 AM IG, MI
Room: Tuscany 2

S116: Research-Inspired Problems in Introductory Classes

Post-secondary educators should acculturate students to the norms and practices in their field, and the broader culture of academia. In mathematics, this includes exposing students to problems that are inspired by an instructor's research. Several such problems motivate this workshop and illustrate the efficacy of research-based teaching.

Presenters:

Alexander Henderson - Northland Pioneer College, Holbrook, AZ
Bryan Carrillo - Saddleback College, Mission Viejo, CA
David Weisbart - Univ California Riverside, Riverside, CA

8:15 AM - 9:05 AM PS, PD
Room: Tuscany 3/4

S117: Getting the Most From Final Exams: Using IRT to Improve Results

Item analysis and comparing medians on the final exam result are not the only methods that can be used to determine the effectiveness of final exam questions. Come find out how Item Response Theory (IRT) can be used to provide more details on student performance on final exams.

Presenter:

Jon Anderson - Utah Valley Univ, Orem, UT
Prsident: Brian Beaudrie - Northern Arizona Univ, Flagstaff, AZ

8:15 AM - 9:05 AM MN, TL
Room: Tuscany 5/6

S118: Technical Writing Projects for All Modalities

Promote student engagement with these short technical writing projects for Trigonometry/Precalculus, College Algebra and Quantitative Reasoning. These projects work well for all modalities. Enrich the concepts while building knowledge of spreadsheets use, creating graphs, and using equation editors. Every student can benefit from these skills.

Presenter:

Kim Kullander - Pulaski Technical College, Little Rock, AR
Prsident: Kathryn Kozak - Coconino CC, Flagstaff, AZ

9:25 AM

9:25 AM - 10:15 AM MI
Room: Tuscany 1

S119: Scaffolding Exercises for Calculus That Foster Understanding and Success

Explore multilayer exercises designed for the calculus sequence. Some of these break an intricate problem into stages, allowing students to validate progress at multiple points; others begin with a prerequisite skill (algebra, trigonometry) and build upward into a calculus concept using that skill. A collection of exercises will be distributed!

Presenters:

Dan Clegg - Palomar College, San Marcos, CA
Saleem Watson - California State Univ, Long Beach, Long Beach, CA
Prsident: Laura Schueller - Ed Equity Solutions, Walla Walla, WA

9:25 AM - 10:15 AM EQ, PD
Room: Tuscany 2

S120: Grading for Equity

Typical grading practices vary widely, often reward behaviors rather than students' knowledge and ability, and produce inequitable results. Join this session to explore the research behind grading, investigate alternatives to traditional practices, and consider how your department can move to more equitable grading.

Presenter:

Karon Klipple - Univ of New Mexico, Taos, Taos, NM

9:25 AM - 10:15 AM IG, MI
Room: Tuscany 3/4

S121: Solving the Cubic

In the early 16th century, several mathematicians raced against themselves and their fellow mathematicians to become the first to devise a solution to solve any cubic and quartic equation. Come and find out who won, who lost, and how this work eventually led to the development of complex numbers.

Presenter:

Brian Beaudrie - College of Southern Nevada, Las Vegas, NV

9:25 AM - 10:15 AM MN, IG
Room: Tuscany 5/6

S122: The Case for a Revolution in Financial Math Education

Students are taught too much math in financial math courses. A case will be made for inclusion of practical knowledge in the curriculum like basic principles of investing, tax implications, the different types of tax-deferred accounts, and how to best utilize them. Project ideas will be provided and discussed.

Presenter:

Max Aeschbacher - Utah Valley Univ, Orem, UT

Presider: Aja Shabana - Connecticut State CC, Middletown, CT

10:30 AM

10:45 AM - 11:30 AM IG
Room: Tuscany 5/6

S123: 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 Philadelphia!

Presenter:

George Hurlburt - Corning CC, Corning, NY

American Mathematical Association of Two-Year Colleges 51st 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 56 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.

Name _____
Please type or print legibly.

For Name Badge _____

Preferred mailing address is: College/Institution Home

College _____

College Address _____

City _____ State _____ Zip _____

College Phone(_____) _____

Email Address _____

Check here if you wish to be **included** on the list provided to vendors (for invitations to special events, commercial presentations, and other activities).

ADA Accommodations/Dietary Restrictions: See page 56 for instructions.

Pronoun Preference

She/Her He/Him They/Them No pronoun preference printed
 Other, _____

Will you be bringing a Guest(s)? (See page 57 for eligibility.)
Please type or print guest's name as it should appear on name badge.

Residence Address _____

City _____ State _____ Zip _____

Residence Phone(_____) _____

Check here if this phone is a cell phone.

Emergency Contact _____

Phone(_____) _____

Registration Method	Discount Registration	Regular Registration	On-Site Registration
MAIL (3 pages) using check or credit card <i>Payment must accompany purchase order.</i>	Registration AND payment must be postmarked BY September 30, 2025.	Registration AND payment post-marked AFTER September 30, 2025. Registrations sent by mail must be postmarked by October 17, 2025.	Registrations sent by mail must be postmarked by October 17, 2025. 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, 2025.	Registration AND credit card information completed AFTER October 7, 2025.	
FAX (3 pages) to 901.333.5651 using a credit card	Registration AND credit card information must be completed BY October 7, 2025.	Registration AND credit card information completed AFTER October 7, 2025. Please do not fax form and credit card information after October 17, 2025.	Please do not fax form and credit card information after October 17, 2025. 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 29, 2025**. A 50% refund less a \$25 service fee will be given if your written request is **postmarked on or after October 30, 2025, and by November 12, 2025**. NO refunds will be given for requests **postmarked on or after November 13, 2025**. 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, 2025. 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

Continue to next page →

A. DUES

To be eligible for the member registration rates, membership must be current. **Current members with an expiration date of 11/16/2025 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.	
	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	<input type="radio"/> Thu <input type="radio"/> Fri <input type="radio"/> 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	<input type="radio"/> Thu <input type="radio"/> Fri <input type="radio"/> Weekend NO meals included; may purchase 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 _____

Continue to next page →

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 & Breakfast — Friday, November 14, Meal served 7:45 am – 8:30 am
Awards Breakfast — Saturday, November 15, Meal served 7:45 am – 8:30 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 & Breakfast — Friday, November 14, Meal served 7:45 am – 8:30 am
Awards Breakfast — Saturday, November 15, Meal served 7:45 am – 8:30 am

_____tkts. @ \$49/ea. \$ _____
 _____tkts. @ \$53/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 2025 through the close of registration, Friday, November 14, 2025, is eligible to enter the drawings for three prizes. The prizes are (1) a complimentary discount member conference registration for Philadelphia or a three-year membership, (2) a two-year membership, and (3) a one-year membership.

- | | | | |
|--|----------|--|----------|
| <input type="checkbox"/> Developmental Mathematics | \$ _____ | <input type="checkbox"/> Project ACCCESS | \$ _____ |
| <input type="checkbox"/> Foundation Endowment | \$ _____ | <input type="checkbox"/> Regional Scholarship Program | \$ _____ |
| <input type="checkbox"/> General Development* | \$ _____ | <input type="checkbox"/> Research in Mathematics Education for Two-Year Colleges | \$ _____ |
| <input type="checkbox"/> Grants | \$ _____ | <input type="checkbox"/> Standards | \$ _____ |
| <input type="checkbox"/> Leila & Simon Peskoff Award | \$ _____ | <input type="checkbox"/> Student Mathematics League | \$ _____ |
| <input type="checkbox"/> Margie Hobbs Award | \$ _____ | <input type="checkbox"/> 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 # _____ Exp Date _____ CVV _____

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.

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 2025 AMATYC Annual Conference in Reno.

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

HOTEL INFORMATION

The 51st AMATYC Annual Conference begins Thursday, November 13, 2025, at the Peppermill Resort.

A block of guest rooms at reduced rates has been reserved at the Peppermill Resort until 5:00 pm, Monday, October 20, 2025, 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, or by calling the hotel.



Hotel Deposit/Fees: A credit card is required to hold a reservation (Visa, Mastercard, Discover, American Express), and a \$100/night deposit will be required upon check in (can be paid in cash). Reservations will be subject to a one-night charge if cancelled less than 24 hours before the scheduled arrival date.

Peppermill Resort

2707 South Virginia Street • Reno, Nevada 89502

Reservations: 800.282.2444 (Code: AAMAT25)

Reservations (online): <https://book.passkey.com/e/50924669>

Room Rates* (per night, includes Internet)

- North Wing Single \$155
- Peppermill Tower Single/Double \$165
- Tuscany Tower Single/Double \$205

**Rooms are subject to applicable state and local taxes, fees, and assessments of 13% per room, per night (subject to change). In addition, the Nevada Tourism Surcharge of \$2 per room, per night will be applied.*

**The Resort Fee of \$45 per room, per night will be waived for attendees of this group who book via the website or phone number above. The fee will be removed from your bill upon check-out.*

- Check-in: 3:00 pm
Check-out: 11:00 am
- Children 17 years or younger will stay free of charge in their parent's room.
- There are smoking rooms available on the top floors of the Peppermill Tower. All the rooms in AMATYC's block are non-smoking. If you wish a smoking room, contact the hotel by phone.

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/2025-conference> and select **Roommate Request Form**. Complete the form no later than **October 1, 2025**. 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

Peppermill visitors and guests have access to our parking garage. RV and oversized vehicle parking is available for hotel guests only. Valet parking is not available at this time. (Please check with the hotel for up-to-date information 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.

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 breakfast 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, 2025. If submitted via the web or faxed, the completed registration form must be received on or before October 7, 2025.**

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, 2025, in order to be processed prior to the start of the conference.

Every registration form postmarked by or faxed/mailed by October 18, 2025, 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 52-54.

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 breakfast 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, 2025.

For nursing mothers, it will be easy to access your hotel room via elevator. If you need alternative arrangements, please contact Beverly 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 29, 2025. A 50% refund less a \$25 service fee will be given if the written request is postmarked on or after October 30, 2025, and by November 12, 2025. No refunds will be given for requests postmarked on or after November 13, 2025. 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, 2025. 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

Peppermill Resort • Spa • Casino

AMATYC Registration Desk — Tuscany Ballroom Foyer

Wednesday, November 12	4:00 pm - 8:00 pm
Thursday, November 13	7:00 am - 6:00 pm
Friday, November 14	7:00 am - 4:00 pm
Saturday, November 15	7:00 am - 8:00 am
Saturday, November 15	10:00 am - Noon

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.

AMATYC Executive Board

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Southwest Tennessee CC
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 Phone: 901.333.5643 Fax: 901.333.5651
 Website: www.amatyc.org Email: amatyc@amatyc.org

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

On-site Conference Registration ♦ Peppermill ♦ Tuscany Ballroom Foyer

Wednesday, November 12 4:00 pm - 8:00 pm
 Thursday, November 13 7:00 am - 6:00 pm

Friday, November 14 7:00 am - 4:00 pm
 Saturday, November 15 7:00 am - 8:00 am
 Saturday, November 15 10:00 am - Noon