Date: Friday April 11, 2025 9:00am – 2:30pm ET

Location: Ivy Tech Community College – Lafayette, IN (3101 S Creasy Ln, Lafayette, IN 47905)

Room: Ivy Hall 1274

In-Person Attendees:

Ed Gallo
Raymona Gallo
Mike Eusebio
Becca Wulf
Ren Simmons
Luanne Benson-Lender
Gary Netherton
Lane Bloome

Virtual Attendees:

Alex Cibotarica
Jerry Tauber
Christine Langer
Paul Hessert
Matthew Kennedy
Victoria Kruglov
Emmanuel Yeboah
Kinga Oliver

Time (all ET)	Activity
9:00am – 9:30am	Welcome, Announcements, and Registration (Mike Eusebio)
9:30 am – 10:20 am	**Flipped Classroom & Math For the Trades** Students learning a trade or earning a technical certificate often prefer hands-on learning over a traditional classroom setting. They are also often unable to attend "traditional" office hours. A flipped-classroom model with interactive activities was implemented in their math class. Overall student performance and student feedback were used to analyze its effectiveness. **Keynote Speaker:** Christine Langer, Math Faculty Ivy Tech Community College (Richmond)
10:20 am – 10:30 am	Break
10:30 am – 11:20 am	**Using Embedded Tutors with Active Learning** Embedded tutors attend class with the students. They can facilitate group activities, hold office hours and exam review sessions, and connect with students inside and outside of

	the classroom. Experiences and results will be shared from piloting embedded tutoring in a highly active groupwork-based class format with Elementary and Intermediate Algebra classes. **Presenter:** Luanne Benson-Lender, Assistant Professor of Mathematical Sciences University of Indianapolis
11:30 am – 12:20 pm	**Lunch with Sponsored Presentation** Our thanks to our lunch sponsor, McGraw Hill Education!
12:30 pm - 12:55 pm	**MathGPT.ai - AI Support Done Right for Math** MathGPT.ai is the first AI-powered platform designed for both tutoring and teaching, revolutionizing math in higher education! We bridge the gap between student learning and instructor needs – supporting student success, empowering faculty, and upholding academic integrity without compromise. Instructors can learn how to enable students with a revolutionary AI math tutor that maintains academic integrity through its cheat-proof design, ensuring students learn rather than just get answers. MathGPT.ai's conversational and accurate AI tutor creates a judgment-free learning environment where students can build confidence and ask questions in a supportive environment. For instructors, MathGPT.ai will turbocharge teaching capacity with its ability to automatically and seamlessly create and grade assignments, practice problems, and more, giving you extra time to do what instructors do best -- teach. **Presenter:** Stephen Jennings, VP of Growth at MathGPT.ai
1:00 pm – 1:45 pm	**Business Meeting** ● Secretary Report (Luanne Benson-Lender) - Link to last meeting's minutes: https://docs.google.com/document/d/17hW3Dae2ovfjJXWpeQ4xqKQ5oOLFSdLdX3vxlXvFXaM/edit?usp=sharing ● Treasurer Report (Matthew Kennedy) ● Scholarship Committee (Matthew Kennedy) ● Website Committee (Luanne Benson-Lender) ● Nomination Committee (Ed Gallo) ● Election of 3 Board Directors (July 1, 2025 - June 30, 2028) ● Discussion on Conferences ● Celebrations/Announcements ● Closing Announcements and Door Prizes
1:45 pm – 2:30 pm	**Board of Directors Meeting**

Announcements - Mike Eusebio (Ivy Tech Columbus)

AMATYC 2025 is November 13th-16th in Reno, NV. Mike went to AMATYC in November and found it to be a really great experience – he strongly recommends going if you get a chance.

One regional (MIdwest for us) scholarship is available to defray the cost of attending the conference, so you can apply for that if you want. The link will be available in the future.

Flipped Classroom & Math for the Trades - Christine Langer (Ivy Tech Richmond)

MATH 122 is an Ivy Tech course for students in trade technology courses (machine tools, design, aviation maintenance, HVAC, etc.). Why?: students were already watching videos to finish the lecture notes due to a lack of time to cover the substantial material in 8 weeks, and tech students often learn best in hands-on activities and don't have a lot of time to visit regular office hours. Christine is also a member of AMATYC's Project ACCCESS and had extra support to try a flipped classroom through this program.

Format: Before class, students take guided notes on pre-recorded lecture videos. Videos are 20-30 minutes long (without stopping – students can pause). Students need to watch 4-5 videos per week. During class, students complete a video check (3 questions directly from the guided notes and they can use their notes and formula sheet on it), 1-2 activities, work on homework, and have access to the instructor when they have questions. Christine found that this video check format motivated students to complete the before-class work reliably. Activities have been refined to focus on applications more relevant to the students' interests (fish tank -> air duct, random formulas -> formulas they will use, etc.)

Grades and survey results indicated benefits (small sample size but promising): improved grade distribution, majority said it was more engaging and helped them learn better. Half of the students said they would take a class in this format again. Keeping students present during the homework time is a challenge.

Using Embedded Tutors with Active Learning - Luanne Benson-Lender (University of Indianapolis)

UIndy is piloting an embedded peer tutoring program this academic year in a handful of courses. Luanne has been using an embedded tutor (Peer Assistant) in her MATH 090 and MATH 105 class using the framework from *Building Thinking Classrooms in K-12 Mathematics* by Peter Liljedahl. Results (small sample size) show students improved their attitude toward math more than other sections without a peer assistant, were more likely to seek tutoring, and had a favorable pass rate so far.

McGraw-Hill - David Kurzawa discussed ALEKS with the group, in particular the balance of adaptability to meet students where they are and traditional preset homework.

MathGPT.ai - Stephen Jennings discussed MathGPT, a "cheat-proof" AI tutor specifically designed for math. Free instructor accounts are available for demo.

Business Meeting

Treasurer Report – Matthew Kennedy
Balances: Savings , Checking, CheddarUp. Motion to approve the Treasurer Report was approved.

Scholarship Committee – Matthew Kennedy
One applicant (Nancy Par). The committee was in full agreement that they should receive the award. The group approved the committee motion to award the scholarship for $500.

Secretary Report – Luanne Benson-Lender
No corrections to the minutes. Motion to approve the Fall 2024 minutes was approved.

Website Committee – Luanne Benson-Lender
For now, the main announcements page is a Google doc, allowing any officer to access and edit it.
Student corner has been hidden for now – contact Luanne if you would like to take over maintaining it.
Luanne is working on a new website format that will function like a wiki, so officers can log in to it and edit it online, rather than needing to upload/download files to edit it. Luanne will keep working over the summer, will send a preview to the officers/board when ready, and may have something to show at the next InMATYC meeting.
Paul brought up a concern: https:// doesn't work – can we fix this so browsers don't flag our website as not secure or block it? Luanne will look into this. In the meantime, typing http://inmatyc.matyc.org can be a workaround sometimes.

Nominations Committee – Ed Gallo
Rebecca Wulf, Lane Bloome, and Christine Langer accepted nominations for the Board of Directors. The slate of nominees was approved and thus elected (term ending Spring 2028).

Conference Discussion – Ed Gallo
Proposals: call our meetings "Conferences" to convey their importance.
Fall meeting: centrally located, in-person and online, Fridays, informal social on Thursday evening, business meeting and board meeting.
Spring conference: online-only, brief, centered around open discussion sessions (possible topics: new initiatives on campus, marketing/advertising, planning time for fall conference, planning time for spring conference, nominations for board members and officers as needed, general sharing/other).
Luanne suggestion – if we make this distinction, call the less formal one a "meeting" and the bigger one a "conference."
Mike: AMATYC is a really active organization with a great conference and it would be nice to tap into some of the activity there. AMATYC is pivoting to be about the "first two years of college math" instead of "two-year colleges." We would like to make this pivot and get more non-Ivy Tech involvement too.
We may also want to collaborate with other organizations: NOSS (not very active), MAA (very active but more expensive conferences than ours).

Dual credit instructors at high schools may be another opportunity for increased membership – ask department contacts to convey our information to their dual credit instructors. Maybe a free online lunch hour presentation with a topic tailored to them specifically.

Celebrations:
Rebecca Wulf just got promoted to F-5!

Future meetings:

- Fall 2025: (Already chosen) Friday September 19th, 2025 at Ivy Tech – Columbus (Contact: Mike Eusebio)
- Spring 2026: Friday April 10th, 2026 at Ivy Tech – Richmond (Contact: Christine Langer)

<u>Board Meeting</u>

Discussion of Ed's meeting format proposals: it's difficult to make the jump to a meeting held at a conference center from where we are currently at, maybe stick with the college campus format while we try to ramp up our conference participation.

Ed: Reminder of email schedule – would be nice to keep it going.

Adjourned at 2:58 PM.