

InMATYC Fall 2018 meeting minutes

Friday, September 21st 2018

Paul Kamber

The meeting was held at Ivy Tech Indianapolis's Fall Creek campus.

To start the meeting President Luanne showed a picture of her baby and thanked Ed and Ben for the work that they did on InMATYC's website. Luanne also showed off the new website and the different tabs and information that the website now contains that it did not contain before the changes.

Ed Gallo was the first speaker of the day. He told a story about how bad traffic was on 70 on the way to the meeting. This was why his talk started a little bit late at 9:40 am. Ed Gallo has been a member of InMATYC since 1991. AMATYC student research league is new this year. Ed Gallo was one of the people selected to judge the projects. Ed told a few animal related jokes to start his talk. The league is a partnership between instructors and students. These projects are based on STEM math courses. Faculty grades these project problems. This year's problem was for students to find the safest place to live in relation to natural disasters. Criteria for grading was given. The work that students submitted varied based on region. Students interpreted the criteria differently. Ed showed an example of a student from the Northwest region's work. These projects can be completed individual or team. Information on next year's project can be found on AMATYC's website. Students need to be registered by March 15th 2019. There is a \$35 free per team.

Jon Oaks was the next speaker. He started with a story about his flight to travel to the meeting. The person next to him preventing him from doing any work on the plane. He then asked the question. "What are the chances that would happen?" His presentations at AMATYC will be over his drinking examples that he uses to teach in his courses. Jon introduced the AMATYC Midwest Regional Facebook Group. Jon Oaks runs the group and updates it. He said that if 5 people join before the end of the presentation that he would put 3 gift cards into the raffle. He has a very difficult class with students causing distractions. His barber said students like that is why he dropped out of school. Jon shared this story with his students and the course became well behaved after hearing it. Hypothesis testing was said to be a very difficult topics for students in statistic. He introduced a steak problem with steaks of varying weights. He created a frequency distribution, but students don't actually understand the problem then they will struggle with all the steps to problem solving. Students get stuck on AND, OR, and NOT probability problems. Students sometimes struggle with probability of zero. Jon talked about giving students promise cards that the students fill out and give to the instructor. He said that students were taking the course more seriously because of the promise cards. Students enjoy more relevant examples and problems from their lives. Jon has them calculate the probabilities of "ghosting" using conditional probability. He used an example from Rumba data, the time it takes for the Rumba to vacuum a square area. It can be helpful for students to come up with their own examples but you do need to be prepared for student responses. He ended his talk by giving a few websites for extra resources. He also suggested some books. He plugged one more time for the Regional AMATYC group.

In the business meeting, the minutes for the Spring meeting were approved. In the treasury report, \$100 was paid to the AMATYC hospitality room. We had something like \$1400.06 in our checking and

\$1006.86 in our savings. These numbers may not be 100% accurate. Please see Hank for the accurate numbers. In Spring 2018, we voted to give a scholarship in the spring and the fall. A president elect was needed. Ben Aschenbrenner was elected the new president elect. We did not give a scholarship last spring, but this meeting, we had 10 applicants for the scholarship. The committee agreed on the 1st and 2nd choices for the scholarship. There was debated on whether or not to award both top applicants a scholarship instead of giving on in the fall. It was decided that we would stick to giving on scholarship in the spring and one in the fall. However, the students that applied for the spring would be informed of the spring and if they choose to, would be considered in the spring. Brian Alajando Barahona was awarded the scholarship of \$600. This student will also be submitted to the AMATYC scholarship as well. A website committee was formed. Ben Aschenbrenner was voted the chairmen of the committee. Ed Gallo, Paul Kamber, Matthew Kennedy, and Darron Steele became members of the website committee. The committee is always looking for suggestions on website content and also requested any history on InMATYC. It was suggested that a link to Jon Oaks resources and other math teaching resources be added to the website.

AMAYTC updates: There is a handout scan for the minutes of the AMAYTC meeting. Teaching excellence award for AMATYC deadline was approaching. We have 5 members attending AMAYTC in November, however none of these people are first timers. InMATYC pays for the registration of one member to AYMATYC. Ben's registration fee for AMATYC will be covered by InMATYC. We still do not have a procedure to award the registration fee.

The spring meeting will be held on April 12th in Kokomo.

The fall 2019 meeting planning has begun. September 20th 2019 is the planned date and Columbus is the planned campus.

The MichMATYC meeting will be held at Kalamazoo Valley on Saturday Oct. 13th.

Grand Canyon University presented on PhD programs.

Darrell Steele did a talk about government education and education in general all around the world.

Board Meeting:

Ed Gallo was happy about the communications from the board the previous semester. He would like us to stick to the schedule we have been using.

The way that we nominate and elect members to board positions is very off putting for new members. We are going to try an implement a new process which will be much more individualized being careful not to look like a closed group. This new process will involve encouraging members early to get involved and want to be a board member. We will also be finding out if people are interested in being nominated before the meetings and perhaps do electronic voting. The voted to make the official direction of the president elect to chair the nominating committee when there is no past president.