



Office of Academic and Student Affairs

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UW SYSTEM MATH INITIATIVE Math Steering Committee Meeting

Thursday, March 14, 2019

Check in 9-9:30 a.m.

9:30 a.m.-2:30 p.m.

Pyle Center, 702 Langdon Street, Madison

MEETING OBJECTIVES

- Update on campus discussions related to business, education and nursing gateway math courses
- Review and discuss placement data for gateway NANS and Stats
- Determine what corequisite supports are needed at different campuses

AGENDA

Welcome

Discuss and consider campus feedback on current gateway math for Business, Nursing and Education

- Discuss feedback on Education gateway math
 - What do you want to be sure we address at the April workshop?
- Discuss initial feedback and plans for next step at campus regarding Business gateway math
 - What do you want to be sure we address at the April workshop?
- Discuss initial feedback and plans for next step at campus regarding Nursing gateway math
 - What do you want to be sure to address at the April workshop?

Lunch - Assess whether there are advantages to having a uniform syllabus template for gateway math courses

Update on placement data for NANS and Stats

- <https://www.wisconsin.edu/math-initiative/data/placement-test-scores/>
- What do you notice?

Discuss corequisite supports needed at your campus

- What do we want to know about corequisites?

Next steps and closing

- ICT workshop April 18-19 at Madison Concourse
 - Pework - 5 X 5 due April 5
- Summer site visits

OPID 2019 Spring Conference on Teaching and Learning

Memorial Union, Madison, WI

For registration visit <https://www.wisconsin.edu/spring-conference/>

Abstracts for math sessions, Thursday, April 11:

Education Can Be Enjoyable in VR, Mehdi Roopaei UW-Platteville, 1:45 – 3 p.m.

Virtual Reality (VR) has a significant role in the natural next step for the advancement of education. This technology has long held promise as a tool to enhance education. The immersive and interactive experiences within VR can have educational applications in disciplines ranging from science and engineering to foreign languages and social sciences. VR can be used in classrooms to enrich student learning and engagement and can renovate the way educational content is delivered. Being fully immersed within a learning environment increases motivation to fully understand the concept. The goal of this proposal is to develop an easy to use and adaptable VR framework to visualize Math for undergraduate students. The proposed platform utilizes a hybrid approach of visual-based and immersive-based learning to: (i) improve engagement, and ultimately retention of students; (ii) give students a deeper understanding of Math, and ; (iii) move towards a more student-centered learning environment.

A gay elementary teacher: His identity and his mathematics teaching, Kyle Whipple UW-Eau Claire, 3:15 – 4:30 p.m.

I will present a case study I conducted with an elementary teacher focused on gay identity and intersectionality with mathematics teacher identity. Through this research, I learned this teacher makes decisions regarding curriculum and pedagogy he attributes to his gay and mathematics identities. This teacher believes growing up with an identity that placed him as an outsider to groups, including people who can do math, makes him sensitive to students' emotional responses to problem solving and arithmetic. This heightened awareness leads the teacher to make careful decisions about the problems he assigns to students, both in terms of the wording and the difficulty level. The teacher places students into groups with specific reasons, including community engagement with one another and mathematics ability. The results from the case study indicate that the intersectionality of this teacher's gay identity and his mathematics identity lead him to create an inclusive mathematics classroom.