UW SYSTEM MATH INITIATIVE

Hilton Hotel, Madison Monona Terrace, Madison
September 26 – 27, 2019

OBJECTIVES

- Investigate co-requisite mathematics models, logistics and strategies for successful implementation, and craft implementation plans for co-requisite mathematics at your institutions.
- Develop core set of learning outcomes for elementary teacher education candidates.
- Learn and practice strategies to promote student success through active learning and fostering student engagement.
- Determine next steps to take at your institutions.

Thursday, September 26
PRE-WORKSHOP
7:30 a.m. – 1 p.m.

SESSION A – **ICT LEADS, MSC MEMBERS, and MATH DEPT. CHAIRS** – Liberty Room (first floor)
Focus: Tristan Denley will focus on advantages and challenges of implementing co-requisite mathematics at scale. He will use Wisconsin and other states' data to examine the co-requisite approach and the use of multiple measures placement criteria. He also will discuss the implementation strategies and logistics for co-requisite instruction and the creation of a sustainable fiscal model.

    Registration (opens at 7:30 a.m.)
    Breakfast (8 – 8:30 a.m.)
    Welcome & pre-workshop sessions (8:30 a.m. – noon)
    Lunch with additional faculty (noon – 1 p.m.)

SESSION B – **EDUCATION SUBCOMMITTEE MEMBERS** – La Follette Room (second floor)
Focus: Jennifer Kosiak will lead this meeting to develop a core set of learning outcomes for sequences of mathematics courses for elementary teacher education candidates.

    Registration (opens at 7:30 a.m.)
    Breakfast (8 – 8:30 a.m.)
    Welcome & pre-workshop sessions (8:30 a.m. – noon)
    Lunch and debrief (noon – 1 p.m.)

DAY ONE MATH FACULTY PROFESSIONAL DEVELOPMENT SESSIONS
Thursday, September 26

REGISTRATION (opens at 11:45 a.m.) **–** Liberty Room (first floor) and **LUNCH** (noon – 1 p.m.)

SESSION C **– MATHEMATICS FACULTY –** Liberty Room (first floor)
Focus: Tristan Denley and Jonathan Hull will focus on the curricular advantages and classroom challenges of implementing co-requisite mathematics courses. Participants will use Wisconsin data together with data from other states to examine the co-requisite approach. Participants will engage in a design thinking exercise to explore strategies to overcome implementation barriers.

SESSION D **– MATHEMATICS FACULTY –** La Follette Room (second floor)
Focus: April Strom and James Alvarez will focus on how to build a classroom community through active learning and robust mathematical tasks. Topics will include:
- Building community in the classroom
- Defining guiding principles for active learning
- Selecting appropriate mathematical tasks and task development
- Discussion and reflection on incorporating active learning

EVENING RECEPTION 5 - 6:30 p.m. – Capitol Club (14th floor)

DAY TWO MATH FACULTY PROFESSIONAL DEVELOPMENT SESSIONS
8 a.m. – 1 p.m., Friday, September 27

BREAKFAST (8 – 8:30 a.m.) – Participants in Session E will have breakfast in the Founders Room (second floor), and participants in Session F will have breakfast in the Capitol Club (14th floor).

SESSION E **– MATHEMATICS FACULTY** (8:30 a.m. – noon) **–** Founders and La Follette Rooms (second floor)
Focus: In this series of workshop-style experiences facilitated by Jonathan Hull, German Vargas, and Hieu Huynh, participants will craft implementation plans for co-requisite mathematics at their institutions while considering various factors, such as:
- Grading practices in co-requisite portions
- Repeat policies / practices
- Same instructor vs. different instructors and connection between instructors
- Balancing number of sections / holding sections for late placement / coordination with bridge
- Messaging to students

SESSION F **– MATHEMATICS FACULTY** (8:30 a.m. – noon) – Capitol Club (14th floor)
Focus: James Alvarez and April Strom will facilitate a continued discussion on classroom communities with a focus on productive discussions. Topics will include:
- Continuation of building community in the classroom and transformation of functions matching game
- Extension of discussion on enriching tasks
- Problem activity and reflection
- Orchestrating productive mathematics discussions

LUNCH, NEXT STEPS AND EVALUATION (noon-1 p.m.) – Founders Room (second floor)