

Metro NExT (New Experiences in Teaching) Workshop

Friday, September 16, 2022

10am-3pm



metronext.github.io

The Metro NExT Workshop is a mathematics pedagogy and professional development workshop geared towards graduate students, postdocs, and early-career mathematicians. The workshop is open to **anyone** who is interested in learning new teaching techniques, forming a mathematical network, and finding new connections and collaborators.

Registration

To register for the workshop, please complete the following form. A zoom link will be sent to registered participants on Thursday, September 15.

<https://forms.gle/hJzdaAeFKN9w1rLaA>

Invited Talks

Guiding students to become the teachers: the nuts and bolts of student-driven class projects

Angel R. Pineda, Manhattan College

Abstract: Helping students ask and answer questions which they are interested in is a wonderful way for them to be excited about the content of a course. Class projects can be included at any academic level and also serve as a vehicle to help students develop teamwork and communication skills. This talk will be about different models for including student-chosen class projects in courses including first year mathematics major classes, sophomore level service courses and upper level mathematics courses. We will discuss some of the trade-offs in terms of providing feedback, flexibility, grading, rubrics, classroom time and instructor time, i.e. the nuts and bolts with specific examples.

Just mathematics: why and how to teach postsecondary math for social justice

Kenan Ince, Westminster College

Abstract: Following the summer 2020 civil rights movement and increasing attention to the intersections of mathematics with politics and power, many math educators have reported a desire to implement an antiracist pedagogy and to examine the intersections of their subject with issues of equity, inclusion, and social justice. Many resources exist for K-12 math educators interested in incorporating social justice into their curricula, but resources are comparatively scarce for college and university instructors (though this is changing quickly!). We discuss why one may want to teach mathematics for social justice, how to begin to implement issues of social justice into postsecondary math courses, and our public database of free-to-use social justice materials for postsecondary math courses.

Other Sessions

Lightning Talks

Participants are invited to briefly share on a topic of their choice. This could be about a service activity they have been involved with, a pedagogical technique they have employed in the classroom, or recent research activities. All attendees are welcome to give Lightning Talks, just indicate your interest when registering. Each Lightning Talk participant will have 5 minutes to present, and can use up to 3 slides (+ title slide).

Panel Discussion

Engaging Students in Meaningful Mathematical Research

Questions?

Visit our webpage (metronext.github.io/events) or email the organizers: Ben Gaines (bgaines@iona.edu), Monica Morales Hernandez (mmoraleshernandez@adelphi.edu), and Andrew Lee (alee@stac.edu)