

Communication for math teaching and learning

MORAG BURKE

Abstract

Dr. Burke will present a discussion-based workshop on the topic of communication for math teaching and learning. This workshop covers several related topics :

1. Adult learning theory and research, especially as it relates to math students in higher education.
2. The impact of cross-cultural contexts and learning styles on teaching and learning math.
3. Similarities and differences in academic cultures and their impacts on math teaching and learning.
4. The anthropology of the classroom, and the psychology of human interaction.
5. The importance and impact of incorporating active learning into math teaching practice in higher education.
6. The role of English as a language of communication in the field of mathematics will be explored.

Dr. Burke will demonstrate a variety of active learning teaching methods and participants will be engaged throughout the workshop.

Biosketch : Morocco Symposium

Dr. Morag Burke is a faculty member in the School of Mathematics at Georgia Institute of Technology, where she is uniquely embedded within the department to support international faculty, postdoctoral scholars, and PhD students. Her work focus is on fostering student-centered teaching and communication for math instruction, primarily working with doctoral students and postdocs who teach math to undergraduate students from across campus. She also teaches domestic and international graduate students to become lead instructors, and therefore prepares them for the role of professor. Dr. Burke's work impacts the quality of instruction campus-wide, which has a broad impact on large numbers of undergraduates taught by her instructors. Dr. Burke earned her Ph.D. in Adult Education, specializing in teaching pedagogy, international contexts, and cross-cultural communication and learning. She earned her MS in International Development Education, her BA in Cultural Anthropology, and she has Certification in TESOL and in Qualitative Research Methods. She has worked at Georgia Tech since 2006.