

1145-L1-2882 **Matt Sunderland*** (matthew.sunderland@csi.cuny.edu), Mathematics Department, 2800 Victory Blvd, Staten Island, NY 10314. *Challenges and Opportunities of Using WeBWork as a Free Homework System in Teaching Calculus*. Preliminary report.

Online homework can play an important role in mathematics learning and teaching. To support and advance students' learning processes, online math problems must be pedagogically well-formed and designed to engage understanding of mathematical concepts.

In this presentation, the author will share his experiences using WeBWork, an online homework system, in teaching Calculus courses. How does WeBWork provide opportunities to implement inquiry based learning pedagogy in teaching? How does WeBWork bring opportunities to students for enhanced engagement and access. Finally, what are the challenges of using WeBWork for professors and students? (Received September 25, 2018)