Adventures in Instructional Design for Advanced Mathematics

Dr. Sean Larsen
Portland State University
1:00 pm in DERR 227
March 5, 2019

Abstract: My research team has been working on an instructional design project in advanced mathematics. In this session, we will get our hands dirty working on some of the tasks. Then I will give an overview of our project and talk explore some of the mathematics history that is serving as inspiration for our work. Finally, I’ll discuss some of the progress we have made so far and some of the challenges that remain.

Dr. Larsen is currently a professor in the Fariborz Maseeh Department of Mathematics and Statistics at Portland State University. He has been the coordinator of the Mathematics Education PhD program since 2011. He is a three-time winner of the John Eliot Allen Outstanding Teaching Award and a winner of the Outstanding Researcher Award presented by the Columbia Willamette Chapter of Sigma Xi International Scientific Research Society. Currently he is a Co-PI of the NSF-funded project, Progress Through Calculus, in collaboration with the Mathematical Association of America (MAA). In addition to working with the MAA to in the area of first year university undergraduate mathematics, Dr. Larsen has been principal investigator for projects focused on the mathematical preparation of teachers and focused on the teaching and learning of advanced mathematics.

Next Friday, April 12: Eric Knuth, UT-Austin