

COLLOQUIUM

Speaker: Dr. Jim Fowler, the Ohio State University

Title: Multiple interventions for success in calculus

Date: Friday, April 21, 2017

Room/Time: Meet-n-Greet: 2:30 p.m. Room 222 MM
Talk: 3:00 p.m. Room 224 MM

Host: Dr. Ayşe Şahin

ABSTRACT:

Ohio State's Department of Mathematics has begun a long-term project to improve student success and STEM retention. The mathematics department has undertaken multiple interventions (active learning, flipped lectures, open source textbooks), the effects of which are being viewed through many lenses (affective surveys, conceptual pre- and post-tests, and online event logs). We consider the effectiveness of these interventions, and compare Ohio State's experience to the national data and insights gained from Bressoud et al.'s "Characteristics of Successful Programs in College Calculus (CSPCC)" study.

ABOUT THE SPEAKER:

Jim Fowler, Ph.D. is an Assistant Professor of Mathematics at The Ohio State University. His online calculus courses have reached hundreds of thousands of learners. Prior to working at The Ohio State University, he received an undergraduate degree from Harvard University and received a Ph.D. from the University of Chicago.