

College of Sciences Special Seminar

**A Dialogue with 150 Students: Implementing Active Learning
Techniques in Large Enrollment Classes.**

Dr. Shay Fuchs
Department of Mathematics
University of Toronto Mississauga



Friday, April 26th
3:00 p.m. - 4:00 p.m.
Loeffler Room
BSB 3.03.02

Many North American schools are concerned with students' performance in mathematics, and more generally, in science courses. Over the past 15 years, there has been a growing interest in the use of active learning methods, and in assessing the effectiveness of this pedagogy in post-secondary math and science classes. Active learning, when properly incorporated into a course, has been shown to improve students' performance while raising their level of interest and engagement.

In this talk, I will explain what I mean by 'active learning', and how we fully converted a 700-student Calculus course into an active learning course at the University of Toronto Mississauga. I will share details of our course design, results, as well as the successes (and the challenges) of our program.

**Funded by the Blumberg Professorship in
Biology and Teaching to Edwin J. Barea Rodriguez
in partnership with:**

UTSA
Math Matters
Student Success
Center