



Department of
Physics & Astronomy
Teaching Retreat



Professor Eric Mazur

Dean, Applied Physics
Harvard University

Author: Principles and Practice
of Physics

Thursday, December 11th, 2014, 9:00 a.m. – 12:00 Noon
Quantum Nano Centre Room 0101
Coffee & Pastries, 8:30 a.m.

9:00 – 10:00 **Discussion of new textbook:** *Principles and Practice of Physics*. Teaching energy before forces?

10:30 – 12:00 **Assessment: The silent killer of learning**

Why is it that stellar students sometimes fail in the workplace while dropouts succeed? One reason is that most, if not all, of our current assessment practices are inauthentic. Just as the lecture focuses on the delivery of information to students, so does assessment often focus on having students regurgitate that same information back to the instructor. Consequently, assessment fails to focus on the skills that are relevant in life in the 21st century. Assessment has been called the "hidden curriculum" as it is an important driver of students' study habits. Unless we rethink our approach to assessment, it will be very difficult to produce a meaningful change in education.

ALL WELCOME

Please R.S.V.P. 9:00am/10:30am/Both:
Bonnie Findlay, bfindlay@uwaterloo.ca, Ext. 36831