Are you interested in …

- Pursuing an academic career in a STEM field?
- Taking a course developed jointly by the University of Pittsburgh, Boston University, Vanderbilt University, Michigan State University, and University of Wisconsin-Madison?
- Learning more about MOOCs and Coursera?
- Having the option of taking the course for credit or not-for-credit?

Then you may be interested in …

**ENGR 3002/BIOSC 3002/CHEM 3002**

**Advanced Learning Through Evidence-Based STEM Teaching** *(1 credit)*

Designed for graduate students and postdocs preparing for academic careers in the STEM disciplines, this course provides an introduction to the Scholarship of Teaching and Learning (SoTL). This is the second course in a series; however, the former course (3001) is not a required prerequisite. The course will utilize material presented in a Massive Open Online Course (MOOC) available through Coursera.org and sponsored by the Center for the Integration of Research, Teaching and Learning (CIRTL). Participants will learn about effective teaching strategies and the research that supports them in addition to learning how to collect, analyze, and act upon their own evidence of student teaching. Topics include but are not limited to: 1. Learning through Diversity, 2. Cooperative Learning/Peer Instruction, 3. Inquiry-Based Labs, 4. Problem-Based Learning, 5. Flipped Classroom Pedagogy. Further, participants will learn the process for developing a teaching as research plan as well as the role of human subjects consent for classroom based research.

**To Register**

**To register for credit (graduate students):** Go to [www.my.pitt.edu](http://www.my.pitt.edu) to add the class (ENGR CRN #30712; BIOSC CRN #30831; CHEM CRN #30732).

**To register not-for-credit (post-docs and faculty):** Go to [www.cirtl.pitt.edu](http://www.cirtl.pitt.edu)

If you have any questions about the course, please contact us at cirtl@pitt.edu.

* May also be taken not-for-credit