



# AN INTRODUCTION TO EVIDENCE-BASED UNDERGRADUATE STEM TEACHING

## MASSIVE ONLINE OPEN COURSE



*Are you interested in...*

- *Learning how to become an effective teacher?*
- *Pursuing an academic career?*

*... then our new online course in STEM teaching might be for you!*

### WHAT WILL I LEARN?

*An Introduction to Evidence-Based Undergraduate STEM Teaching* is a free online course exploring effective teaching strategies for college or university STEM classrooms. Designed for graduate students and post-doctoral fellows planning college and university faculty careers in the STEM disciplines, this course will provide you with an introduction to evidence-based teaching practice. Course participants will have a chance to explore the following topics:

- Week 1 - Principles of Learning
- Week 2 - Learning Objectives, Assessment of Learning
- Week 3 - Cooperative Learning, Peer Instruction Lecturing
- Week 4 - Inquiry-Based Labs, Problem-Based Learning, Writing to Learn
- Week 5 - Inclusive Teaching, Student Motivation
- Week 6 - Lesson Planning
- Week 7 - Conclusion

### HOW DO I ENROLL?

The course is FREE and runs from October 6, 2014 - November 23, 2014. To enroll or to view a course syllabus, please visit: <https://www.coursera.org/course/stemteaching>

### WHO ARE WE?

The CIRTL mission is to enhance excellence in STEM undergraduate education through the development of a national faculty committed to implementing and advancing effective teaching practices for diverse learners. CIRTL's core ideas of Teaching-as-Research, Learning Communities, and Learning-through-Diversity infuse programs at each of the 22 institutions in the CIRTL Network, and will play an important role in this MOOC.

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[www.cirtl.net](http://www.cirtl.net)

