



An Introduction to Evidence-Based Undergraduate STEM Teaching

October 1-November 30

Learn how to implement evidence-based teaching strategies in your university classroom as well as effective methods for assessing teaching and learning.

This course is designed to provide future STEM faculty, graduate students and post-doctoral fellows with an introduction to effective teaching strategies and the research that supports them. The goal of the eight-week course is to equip the next generation of STEM faculty to be effective teachers, thus improving the learning experience for the thousands of students they will teach.

The course draws on the expertise of experienced STEM faculty, educational researchers, and staff from university teaching centers, many of them affiliated with the Center for the Integration of Research, Teaching, and Learning (CIRTL), a network of research universities collaborating in the preparation of STEM graduate students and post-docs as future faculty members.

What you'll learn

- Key learning principles such as the role of mental models in learning and the importance of practice and feedback
- Fundamental elements of course design, including the development of learning objectives and assessments of learning aligned with those objectives
- Teaching strategies for fostering active learning and inclusive classroom environments

This is an 8-week asynchronous online course that encourages interaction among the participants from around the world. Each week instructors will release new materials for students to access via the EdX platform.

It is also built around participation in local learning communities. UGA will host a local learning community for MOOC participants which will meet for an hour once a week for face-to-face discussions and activities related to the course content. You may sign-up to be a member of the local learning community at <https://www.surveymonkey.com/r/GS100118MOOC>.

Learn more about the course and to register, go to <https://www.cirtl.net/courses/354>.

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