STEM Teaching Essentials Lunch Workshops

Moving Forward Using Backward Course Design: Alignment of Learning Outcomes, Assessment and Instructional Approaches

How will you approach planning or designing your next course? Many STEM instructors follow a common path—select a textbook, identify the chapters to be covered, develop lectures, and finally, create exams. The 2017-2018 Teaching Essentials Workshop Series will provide the skills and knowledge needed to try a different, more deliberate approach called Backward Design. Backward Design is a framework that emphasizes alignment of learning outcomes, assessments, and instructional activities.

Fall semester workshops will focus on developing learning outcomes and assessments. Participants will consider what students should be able to know, understand, and do after completing a course. They will also be introduced to the fundamental principles that guide assessment of student learning and will have the opportunity to develop new assessments.

Spring semester workshops will introduce a variety of instructional approaches designed to help students achieve learning outcomes. Participants will consider which approaches best align with their learning outcomes and the associated assessments. Finally, the series will culminate with a workshop focused on using assessment results to guide changes in instructional and practices.

For registration and more information visit:
http://teachingessentials.msu.edu/

Design with the End in Mind: Using Learning Outcomes for Curriculum Development
James Lucas
September 12, 2017

Knowing What Students Know: The Roles of Assessment for Instructional Design
Mark Urban-Lurain
October 10, 2017

Putting It All Together: Learning Outcomes and Assessments that Blend Core Ideas with Science and Engineering Practices
Cori Fata-Hartley, Melanie Cooper, Diane Ebert-May, Becky Matz, Lynmarie Posey, Ryan Sweeder, and Jon Stoltzfus
November 14, 2017

All workshops held from **11:15-1:00** in 1400 Biomedical and Physical Sciences. Lunch will be provided beginning at 11:15 and the workshop will start promptly at 11:30.

Sponsored by Colleges of Natural Science, Agriculture and Natural Resources, Engineering, and Lyman Briggs College.