“Fully Online Introductory Physics with a Bona Fide Lab”

Michael Schatz
Georgia Institute of Technology

Wednesday, Jan. 20th
ASB room 210
4:00pm reception*
4:30pm lecture

This talk will describe a college-level introductory physics course that is suited for both on-campus and online environments. The course emphasizes a “Your World is Your Lab” approach whereby students examine and capture (with cellphone videos) motion in their surroundings, and apply physics principles to understand and to predict their observations. Each student reports findings via YouTube; these lab reports are distributed in the class for peer review. In this talk, we will highlight the evolution of the course from a MOOC to a fully online, for-credit course.

*Please join us for live music and refreshments. Visit csme.utah.edu for more information.

“Stimulating Change in STEM Education: Engaging Faculty at the Department Level”

Susan Shadle
Boise State University

Wednesday, Jan. 27th
Marriott Library’s Gould Auditorium
4:00pm reception*
4:30pm lecture

Evidence-based instructional practices are well-documented by education research to be effective in supporting student learning. However, their adoption is not widespread in higher education. As part of an NSF WIDER project, we are engaged in an institutional change project aimed at engaging all STEM (Science, Technology, Engineering and Math) faculty to explore and adopt evidence-based instructional practices. This presentation will describe our work in stimulating faculty exploration, with special attention to faculty in different stages of adoption of new teaching ideas.

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