Evaluation of Teaching Approach and Students’ Learning in an Interdisciplinary Sustainable Engineering Course

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Teaching as Research Seminar: Sustainable Engineering and International Development (SEID) is an interdisciplinary course focused on describing the key concepts of sustainability and sustainability engineering in the global context and its requirement in developing countries. Teaching an interdisciplinary engineering course is challenging due to the diverse backgrounds and discipline-specific skill set of students. In the present study, we investigate students’ perceptions and knowledge attained in the SEID course to identify areas of improvement. The assessment techniques used were pre-and post-tests, focus group discussions, and surveys. The outcomes from this assessment, to be described in more detail in the presentation, will help in improving the teaching-learning process for this course, and similar strategies could be followed to enhance other interdisciplinary courses.

Date: Friday, October 23, 2015
Time: 12:00 – 1:30 pm (lunch served)
Place: 213 Kennedy Hall

RSVP by 10/21 for lunch: http://conta.cc/1Lgzck9

Dr. Sharma is a visiting scholar hosted through the CIRTL Network Exchange Program. CIRTL is an NSF-sponsored community of current and future STEM faculty dedicated to advancing effective teaching practices for diverse student audiences as part of successful professional careers.

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