



Technology-Enhanced Learning (TEL) Project Assistant

For more information, email us at internship@delta.wisc.edu.

Contact: Sandra Shaw Courter courter@engr.wisc.edu

When: Summer, Fall 2009 and Spring 2010

Funding: 33% Project Assistant including tuition remission

Number of interns sought: 2

The College of Engineering in collaboration with the College of Agriculture and Life Sciences and Letters and Science is seeking two graduate students with a demonstrated interest in teaching and learning in higher education STEM disciplines. Experiences with technology to support STEM courses and in a Delta course are preferred. An open source, Moodle-based, course management system known as eCOW2 will be the basis from which the graduate students will work.

A Delta Intern will benefit from an opportunity to:

- Collaborate within a supportive team of instructional technology consultants, CAE staff, and STEM educators to improve undergraduate student learning
- Consult with faculty about pedagogical decisions related to their discipline and how technology could support student learning
- Guide faculty in their pedagogical and technology decisions related to learning outcomes, assessment strategies, and learning activities and resources
- Learn general open source (Moodle) course management system known as eCOW2
- Be a liaison between STEM faculty and TEL undergraduate assistants who will upload files and follow-through on faculty decisions related to pedagogy and technology
- Design and implement templates for efficient creation of learning activities and assessment strategies
- Help faculty design effective questions, responses, and rubrics for on-line, open-ended quizzes to improve student learning.
- Help train TEL undergraduate assistants in the technical aspects of implementing eCOW2

Research Questions

As a Delta intern you will have the opportunity to design a teaching-as-research project to investigate pedagogical experimentation associated with a Teaching Enhanced Learning (TEL) program on the UW-Madison campus. You would work in collaboration with the Director of the Engineering Learning Center who teaches various Delta courses and with CoE Director of Assessment who oversees the TEL Project. You would, therefore, align your TAR project with the overall assessment plan of the TEL Project. Possible research questions follow:

1. How well does eCOW2 help faculty teach and students learn?
2. How does frequent low-stakes quizzing motivate students to keep up with course materials and increase student achievement and satisfaction?
3. How does the quizzing/feedback module improve student learning and faculty efficiency?
4. How does this infrastructure of support and technology improve faculty efficiency and satisfaction?
5. How does eCOW2 provide an active learning experience for undergraduates?
6. How does eCOW2 improve learning outcomes for both faculty and undergraduates?

Delta Internship Program Information:

<http://www.delta.wisc.edu>

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