

I would like to enlist your help in publicizing the Chautauqua Short Course Ron Thornton, Priscilla Laws and I will be offering June 29-July 1 at the University of Oregon, "Using Research-Based Curricula and Tools to Promote Active Learning in Introductory Courses," June 29-July 1. Please pass this information on to college/university and high school faculty who might be interested. This year, we are especially encouraging high school teachers to apply by moving the course to the end of June.

Chautauqua Short Courses: Using Research-Based Curricula and Tools to Promote Active Learning in Introductory Courses

Especially for high school and introductory college-level teachers of physics.

Instructors:

Priscilla Laws, Dickinson College
David Sokoloff, University of Oregon

Ronald Thornton, Tufts University

June 29-July 1, 2009 at University of Oregon, Eugene, OR

This hands-on course is designed for those interested in making learning in their introductory course more active either within the traditional course structure of lectures, labs, and recitation hours, or by re-structuring their course (e.g., into a workshop or studio course). Participants will be introduced to physics education research-based strategies for each component of the introductory course: *Interactive Lecture Demonstration (ILDs)*, *Web-Based ILDs*, *RealTime Physics* labs, *Activity Based Tutorials*, *Collaborative Problem-Solving Tutorials* and *Workshop Physics*, as well as modeling and video analysis. The tools and software are available for Macintosh and Windows computers. Results of studies on the effectiveness of these curricula will also be presented. Those interested in making major changes in their introductory physics programs are especially encouraged to attend. Participants will receive current versions of the curricula, along with *Teaching Physics with the Physics Suite*, a comprehensive book by E.F. Redish (University of Maryland) on strategies for implementing physics education research-based curricula. Topics will be chosen from both semesters of the introductory physics course.

There is a small application fee (\$50 if you register before March 15), and a small course fee (\$125). Participants are responsible for their transportation, lodging and meals. Reasonably-priced accommodations will be arranged.

For more information and to register: <http://uoregon.edu/~sokoloff/chaut1.htm>
<<http://uoregon.edu/~sokoloff/chaut1.htm>>, or contact David Sokoloff, Department of Physics, 1274 University of Oregon, Eugene, OR 97403-1274, E-mail: sokoloff@uoregon.edu
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