

Clinical Research Methods Online Certificate Program



EVALUATING CLINICAL INTERVENTIONS HPA 479

Course Overview: This online course is designed to introduce students to several different methods for evaluating clinical interventions. Specific topics will include the design and conduct of randomized controlled trials, meta-analysis, costing of clinical interventions, cost-effectiveness studies, and outcome analysis.

Learning Objectives: Upon successful completion of this course, students will be able to read, understand, and use several methods for evaluating clinical interventions.

Prerequisites: HPA 472; and graduate or professional standing; and approval of the department.

Course Management System: The course content will be delivered via UIC's Blackboard Learning System. Students will be enrolled into the Blackboard course site each semester after registering. The Blackboard course site is the primary content area for instructors to post lecture notes and articles, post and update grades, and make announcements. Students are expected to log into their course site regularly to learn about any developments related to the course. Learn more about Blackboard at <http://blackboard.uic.edu>.

Textbook:

Fundamentals of Clinical Trials by Lawrence M. Friedman, Curt D. Furberg, and David L. DeMets (Springer, 1998, 3rd edition)

Methods for the Economic Evaluation of Health Care Programmes by Drummond (2005, 3rd edition)

Other Learning Resources: Academic Papers, Available on Blackboard

Software: Students may choose to work with [SAS](#) or [SPSS](#) programs. Both statistical software programs are available on UIC computer lab computers, and may be purchased in student or faculty versions by visiting the University of Illinois WebStore. (<http://webstore.illinois.edu/>). This course will occasionally also use Microsoft Excel.