

Title: Advanced Epidemiologic Methods, EPID 722

Objective: Upon completion of this course learners will be better able to solve problems in epidemiologic research regarding the planning, analysis, and interpretation of complex studies.

Description: This course covers state-of-the-science epidemiologic methods. We concentrate on methods based on sound theoretical principles which maximize the accuracy of inferences drawn from analyses of complex randomized and observational studies. We discuss a series of topics using assigned readings and programs written in SAS or R. Students will work in groups on a course project.

Instructors: M. Alan Brookhart (mabrook@email.unc.edu)
Stephen R. Cole (cole@unc.edu), 919-966-7415

TAs: Jordan Cates (jc4ga@live.unc.edu)
Xiaojuan Li (xli@live.unc.edu)

Dates/Times: Spring semester, Tuesdays and Thursdays, 12:30 – 1:45pm

Room: McGG 2308

Office hours: TBA

Prerequisites: Prior knowledge of epidemiologic and statistical methods (e.g., successful completion of EPID 718), as well as a working knowledge of SAS or R.

Grading: The course grade is based on 8 deliverables (see course plan). The scale is H > 90, P = 70 – 90, L = 60 – 69, and F < 60. Your full participation and observance of the UNC-Chapel Hill honor code is expected (see www.honor.unc.edu).