MT 845/01 Topics in Algebra and Number Theory
Fall 2010 Syllabus

Schedule:  MWF 2 pm, Fulton 210

Instructor:  Mark Reeder, office: Carney 322

email: reederma@bc.edu

Office hours:  MWF 3-4 and by appointment. Email is good for quick questions and hints.

Course website:  http://www2.bc.edu/reederma/845F10.html

Text:  Lectures on Lie Groups by F. Adams. Course notes will also appear online.

Course Topics:  The course will be an introduction to Lie Groups from a topological point of view.

Prerequisites:  Basic graduate algebra, and some elementary topology (esp. compactness, connectedness). I will give introductions to manifolds and their cohomology.

Homework:  It will be assigned and collected every two weeks, approximately. HOMEWORK WILL NOT BE ACCEPTED AFTER THE DAY IT IS DUE. You homework must be typed in \LaTeX (see course website).

In-class presentations:  From time to time students will give the lectures, on topics to be discussed.

Exams:  There will be no exams.

Grading:  Homework: 80%, In-class presentations 20%.