Physics 705: Mathematical Methods II

Professor: *Mark Henriksen*

Office: Physics 414

Office Hours: MWF 12:00 – 1:00

Class Time: TuTh 11:30 – 12:45

Classroom: Performing Arts 108

**Goals** for this course: Obtain a working knowledge of complex variables, integral transforms, and statistics.

**Homework** will be assigned each Tuesday and is due the following Tuesday (ungraded).

A **Quiz** will be given each Tuesday consisting of a problem (or part of a problem) taken from the homework that is due that day (graded). A **make-up** quiz or exam will be given only when prior arrangement is made with me. Possible justifications for a make-up include sickness with a note from the medical doctor.


**Grades** will consist of: quizzes (20%), two midterm exams (20% each), a final exam (30%), and a lecture presented by you (10%). The lecture should utilize a paper (or papers) on a statistical method, applied to a field that interests you. The lecture will be given in class during the last few weeks of the term.