PHYS 8401 Fall Semester 2014
Period 5:  12:20pm - 1:10pm MWF Room 254
               Professor Mon, Room 223D
Office Hours:
Monday :   9:30am - 10:00am
Wednesday : 11:05am -11:30am
Appointment can be made for other times.

Professor Mon can be reached at 542-3454.
Primary means of communication is to meet with Professor Mon after
class or at office hours. Federal law prohibits discussion of student
record without positive identification. This excludes common use of
telephone and email. Attendence is mandatory but no roll will be
taken.

There will be two tests and a final exam. All tests will be closed
book and closed notes. Academic honesty will be strictly enforced.
All students are expected to take the test and final exam.
The dates will be announced in class.

Excused absence from a test must be documented and the student will
take a makeup test. Students are forbidden to discuss the content of a
test till the solutions have been distributed.

Grading Policy:
20% of tests + 20% of final exam + 60% of homework = 100%
The letter grade will be assigned as:

A  = 90 to 100
A-  = 87 to 89
B+  = 83 to 86
B   = 75 to 82
B-  = 73 to 76
C+  = 66 to 72
C   = 56 to 65
D   = 50 to 55
F   = 0 to 49

Standard rounding will be used for the final numerical grade. For
example, 89.4999 will be 89 and A-, but 89.5 will be 90 and A.
There are no exception to these assignments. All withdrawal will be
processed in accordance with University policy as stated in the
undergraduate bulletin. For withdrawals before the midpoint, a grade
of "W" will be assigned for all cases. Students are expected to attend
all classes but no record of attendance will be taken.

The textbook is:
"Mathematical Methods for Physicists, A Comprehensive Guide, Seventh
Edition"

Homework assignment:
Frequent homework assignments will be distributed and due at the announced date. Late homework will not be accepted and counted as zero.
Lowest homework grade will be dropped.

Lecture attendance is mandatory and all homework must be handed in to me in class. Since solving problem is central to learning physics, homework will be graded and contribute toward your final grade. Learning from your peer can be valuable and encouraged but plagiarism is forbidden.

To receive credit, students must show that it is their own work by explaining the reasoning for the solution in a neat and legible manner.

Course Schedule:
Taken from UGA Course Bulletin website:

Course ID: PHYS 8401. 3 hours.
Course Title: Methods of Mathematical Physics I
Description: Treatment of mathematical methods necessary for solving problems in physics. Techniques from complex analysis, integral transforms, linear vector spaces and ordinary differential equations are covered.
Oasis Title: MATH PHYSICS I
Prerequisite: MATH 2700
Semester Course
Offered: Offered fall semester every year. Grading System: A-F (Traditional)

According to the course description, this is not a course in rigorous mathematical physics. The course coverage is flexible and will depend on the math preparations and interests of the student.

There are roughly three parts:
1. Reviews of basic mathematical methods.
2. Examples of applications to solving problems encountered in "core courses" and prelim exams.
3. Examples of applications to research problems.
The relative emphasis will depend on the math preparations and interests of the students taking the course.
There will be two tests. The dates will be announced in class.
The final exam is in Dec.