

Welcome to Physics 464/511

Physics 464/511 First Lecture Sept. 7, 2016

Welcome to Physics 464 or 511: (Topics in) Mathematical Physics

Before we get started on the material for the course, let's take care of introductions.

I am

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The course is scheduled for Wed. 12:00-1:20, Friday 1:40-3:00 in Hill 009. Please be prompt.

I read my email several times during the day, but don't expect me to give instantaneous responses — if you need that, use the phone or drop by.

There are extensive web pages for the course at
<http://www.physics.rutgers.edu/ugrad/464/>
and <http://www.physics.rutgers.edu/grad/511/>
including very complete lecture notes.

There is no official textbook for the course. However, you will need to have some text on Mathematical Physics. Possibilities are

- Arfken (or Arfken and Weber) “Mathematical Methods for Physicists”
I have 6th Ed, ISBN-13:978-0-12-059876-2, ISBN-10:0-12-059876-0 Elsevier, but also the first and third. There are later ones as well.
- Michael T. Vaughn, “Introduction to Mathematical Physics”

The lecture notes are accessible from the syllabus web page under Reading, and there are also introductions to most lectures accessible by clicking on the date.

Note: I have been told there should be additional requirement for the graduate course 511 compared to the undergraduate course 464. So far I have made no additional material for the graduate course, but there will be something.