Physics 2922 — Syllabus – Spring 2015
Lecture: MWF 9:00 to 9:50 in BB 308
Recitation: W 8:00 – 8:50 in BB 308
Laboratory: varies

This course continues from where Physics 2921 left off. It presents the fundamental principles of electricity, magnetism, and optics, and some of the needed mathematical techniques based on calculus. Towards the end of the course I hope to have time for some topics in modern physics.

Course Goals and Learning Objectives: This course is designed to provide an overview over physics at a conceptual and technical level, to train students’ intuition about the workings of the laws of nature, and to give the tools to do quantitative work on simplified problems.

1. Instructor: Dr. Dieter Forster, Professor of Physics
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   Office Hours: Tu 2 to 4 pm, Fr 10 - 12.

   John Wiley & Sons; volume II.

3. Lectures are the heart of the course. You will get much, much more out of them if you read the assigned chapter in advance.

4. Laboratory: There is a separate weekly two-hour laboratory for which you have registered. A description of each lab will appear on your Blackboard page.

5. Homework: Physics is learned by doing. Every week I’ll assign some homework problems; they are generally due on Mondays, and I will grade a subset of them. The weekly Recitation is an exercise session during which we will do homework problems together.

6. Examinations: First Test: Friday, February 20, 9 am
   Second Test: Friday, April 3, 9 am
   Final Exam: Monday, May 4, 8-10 am

7. Your Grade will come from the tests (65%), laboratory (20%), and homework (15%).