

PHYSICS 213 FALL 2015

INSTRUCTOR: PROFESSOR SHIREEN ADENWALLA

SYLLABUS FOR PHYSICS 213 FALL 2015

Meets Mon, Wed Fri @ 12:30-1:20 pm in Jorgensen Hall 110

Textbook: Modern Physics by Kenneth Krane, Wiley, 3rd Edition

I clickers are also required (see next page)

Office Hours Monday 1.30-3:00 pm Wednesday 1.30 -3:00 pm

My coordinates: Office-Jorgensen Hall 310E

email: sadenwalla1@unl.edu (I usually answer emails within 24 hours during the week-weekends take longer)

Phone: 402 472 2709

No cell phones, tablets, laptops, or other electronic devices, may be used during class.

Teaching Assistant: Andrew Vikartofsky email: avikarto@gmail.com

Make sure you can access this class on Blackboard. Announcements, changes in schedule, additional explanations and problems and other useful class information will be posted on Blackboard.

Quiz: Every week (usually Monday) there will be a short in-class quiz. It will consist of two parts. One will cover the lectures of the previous week; the second part will be a reading quiz on the lectures of the forthcoming week. The lowest 3 quiz grades will be dropped. The quiz may be a traditional paper and pen quiz or it may consist of a clicker question or two. PLEASE SEE PAGE 3 on academic misconduct.

The very first quiz will be on Wednesday Aug 26th and will cover all of Chapter 1, which consists of material you have already covered in Physics 211 and Physics 212.

Homework: Homework will be due every Wednesday in class. If you find yourself spending more than 30 minutes on a single homework problem, *get help*. Help is available via (i) my office hours (see above) (ii) your TA's office hours (iii) the tutorial room, room 118 (hours will be posted shortly). You are responsible for knowing the material on the homework. In other words the exams will assume that the HW problems have been worked on, digested and understood.

Recitations: Recitation sections (on Mondays) will consist of group work. The TA will determine groups, which may change through the semester. The lowest three recitation grades will be dropped. You will be graded both for participation in the group as well as the work handed in.

Students with disabilities are encouraged to contact the instructor for a confidential discussion of their individual needs for academic accommodation. It is the policy of the University of Nebraska-Lincoln to provide flexible and individualized accommodation to students with documented disabilities that may affect their ability to fully participate in course activities or to meet course requirements. To receive accommodation services, students must be registered with the Services for Students with Disabilities (SSD) office, 132 Canfield Administration, 472-3787 voice or TTY.

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EXAMS: PLEASE SEE ME ASAP IF YOU HAVE ANY CONFLICTS WITH THIS EXAM SCHEDULE.

Midterm 1 - 18 th September (Friday) 12:30-1:30	
Midterm II - 16 th October (Friday) 12:30-1:30	
Midterm III - 23 rd November (Monday) 12:30-1:30	
Final 17 th December (Thursday) 3:30-5:30 pm	
<u>Grading</u>	
Home work	125 points
Quizzes	100 points
Recitations	125 points
1st midterm	150 points
2 nd midterm	150 points
3 rd midterm	150 points
<u>Final (cumulative)</u>	<u>200 points</u>
TOTAL	1000 points

General: This course draws heavily on your previous Physics classes, 211 and 212. If you have trouble with them, please come and see me ASAP or get help, so that you are not lost as the semester goes on.

The assumption underlying this class is that you will spend approximately 12 hours /week outside of class on reviewing the subject matter, preparing for quizzes, doing homework and studying. You must read the appropriate parts of the text before coming to class and the pace of the class will assume that you will have done so.

Pedagogical research into physics learning has shown that **active engagement** in a class (rather than a passive “listening “ role) enhances students learning and long term retention. Hence rather than long drawn out lectures, we will rely quite heavily on in-class concept questions. **An i clicker** is a requirement for this course. These are available at the University bookstore. Please read the instructions on how to input your student ID. The older clickers are no longer supported by the university upgrade. Your role in this is to come to class prepared having read the relevant parts of the chapter. My role is to assess understanding, by using the in class concept questions as well any further input from you.

STUDENT CODE OF CONDUCT (<http://stuafs.unl.edu/ja/code/three.shtml>)

A SINGLE INSTANCE OF ACADEMIC DISHONESTY WILL RESULT IN A FAILING GRADE FOR THE COURSE. Academic dishonesty, as defined below, includes copying homework either from another student or from existing solutions, whether published or not. Students are allowed to discuss homework with each other, but copying homework is considered cheating.

4.2 Academic Dishonesty

a. The maintenance of academic honesty and integrity is a vital concern of the University community. Any student found guilty of academic dishonesty shall be subject to both academic and disciplinary sanctions. Academic dishonesty includes, but is not limited to, the following:

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1. Cheating: Copying or attempting to copy from an academic test or examination of another student; using or attempting to use unauthorized materials, information, notes, study aids or other devices for an academic test, examination or exercise; engaging or attempting to engage the assistance of another individual in misrepresenting the academic performance of a student; or communicating information in an unauthorized manner to another person for an academic test, examination or exercise.
2. Fabrication or Falsification: Falsifying or fabricating any information or citation in any academic exercise, work, speech, test or examination. Falsification is the alteration of information, while fabrication is the invention or counterfeiting of information.
3. Plagiarism: Presenting the work of another as one's own (i.e., without proper acknowledgment of the source) and submitting examinations, theses, reports, speeches, drawings, laboratory notes or other academic work in whole or in part as one's own when such work has been prepared by another person or copied from another person.
4. Abuse of Academic Materials: Destroying, defacing, stealing, or making inaccessible library or other academic resource material.
5. Complicity in Academic Dishonesty: Helping or attempting to help another student to commit an act of academic dishonesty.
6. Falsifying Grade Reports: Changing or destroying grades, scores or markings on an examination or in an instructor's records.
7. Misrepresentation to Avoid Academic Work: Misrepresentation by fabricating an otherwise justifiable excuse such as illness, injury, accident, etc., in order to avoid or delay timely submission of academic work or to avoid or delay the taking of a test or examination.
8. Other: Academic units and members of the faculty may prescribe and give students prior notice of additional standards of conduct for academic honesty in a particular course, and violation of any such standard of conduct shall constitute misconduct under this Code of Conduct and the University Disciplinary Procedures.