

Syllabus – Physics 1403-002 – Spring, 2008

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Text: D. C. Giancoli, *Physics*, 6th edition, Chapters 1-12

“Lab”: You must be concurrently enrolled in a “lab” section (with section number 1403-5XX)

Grading: 3 exams 20% each
“Lab” 15%
Online homework 10%
Comprehensive final 35 %
To make this add up to 100%, I will drop either your low exam score (if an exam is lower than your final exam grade), or else the final will only count for 15% of your grade (if your final exam is the lowest exam score). “Lab” and homework grades will NOT be dropped.

Learning Outcomes: Students should be able to state and understand physical concepts related to the kinematics and dynamics of moving and rotating bodies, oscillating systems, and waves. They should be able to apply these principles in solving problems in mechanics.

Outcome Assessment: The expected course outcomes will be assessed through homework, examinations, and in-class discussions. The exams will consist of a mixture of conceptual questions, relatively familiar problems, and more unfamiliar problems whose solution utilize the same concepts and techniques. By grading selected exam questions in detail himself, the instructor will assess whether the desired outcomes have been substantially achieved.

Examinations: They will cover fundamental concepts, problems, and examples similar to those from **class**, the **lecture demonstrations**, and **homework**. The questions will be a mixture of short written answer, T – F, and problem solving. The examinations will be closed book. You may bring a 3x5 formula card to each of the three in-class exams, and three 3x5 cards to the final exam. There will be **no** makeup exams.

Homework: There will be homework assignments pretty much every week. These will be done on-line using Mastering Physics (www.masteringphysics.com), which should be bundled with your text book. Course ID is GLAB1403002. Generally speaking, if you are able to do the homework problems, you should be able to do well on the problem solving exam questions. Therefore, it is very important that you do the homework! I do not discourage group effort on homework as long as YOU know how each problem is solved, and can solve related problems which use the same concepts.

Listen up: You have to WORK at this course to get a good grade! Help will be available either from your instructor (me), SI sessions, or TA office hours. The Physics Department office also keeps a list of tutors-for-pay. You should spend time daily reading ahead in your book, doing the homework, and reviewing class notes. Flossing your teeth is necessary for gum health.

Academic dishonesty will not be tolerated, and will be treated according to the Student Handbook rules.

Any student who because of a disability may require special arrangements in order to meet course requirements should contact the instructor as soon as possible to make any necessary accommodations. The student should present appropriate verification from AccessTech. No requirement exists that accommodations be made prior to completion of this approved University procedure.