

Syllabus General Physics I (Physics 21) Spring 2010

Time and place: MTWR 11-11:50 Physics 104

Text: “Physics for Scientists and Engineers” by Giancoli, 4th edition, Chapters 1-20.
Older edition OK for reading assignments; homework problems will be taken from 4th edition

Instructor: Dr. Agnes Vojta
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Course Website: <http://web.mst.edu/~vojtaa/phys21>

Goals: The main goals of this course are to develop an understanding of the basic principles of mechanics (statics and dynamics) and to acquire the proper techniques for the solution of physical problems. For topics covered see schedule of assignments.

Course format: Alternating lectures and recitation-and-discussion sessions. The lectures will review and clarify important concepts of the reading material and present examples for physical principles and problem-solving methods. **You are expected to have read the reading assignment prior to the lecture.** The recitations will be used to discuss conceptual questions and practice problem solving. You are encouraged to ask questions at any time during lectures.

Office hours/Learning assistance:

Physics Learning Center: Wed 2pm-3:30pm in Physics 202; 6pm-7:30pm in Physics 127.

Test week help sessions: Tuesday (2/9, 3/9, 4/13) 6pm-7:30pm in Physics 127.

Feel free to email me any time to set up additional appointments, or just drop by my office.

Free tutoring is available through the LEAD program: <http://lead.mst.edu/assist/>.

Sources of course points:

Tests: Three tests will be given during class time on the following Wednesdays: February 9, March 9, and April 14. Each test counts 120 points.

Final exam (Monday, May 10, 10:30am): 120 points

End Material Quiz will be given during the last class period (May 6). 40 points

Quizzes (multiple choice or problem similar to homework) will be given unannounced. 10 pts each.

Homework is **due Thursday 11am** and will be collected every week. 10 points each set.

Points available:

In order to make up for illness, family emergencies and other reasons why you might miss an assignment or have a bad day:

- the lowest score of the four tests (three test + final) will be dropped
- you can earn at least 220 points for all quizzes + homework collection, but only 200 points count towards your grade

(Exception: If you must participate in a conflicting major university or intercollegiate event during a Test, you need to contact me **a week prior to the exam** to arrange makeup. I will need a letter or email from the event's Missouri S&T Faculty Sponsor.)

3 tests + final, each 120 points, highest 3	360
End Material Quiz	40
22 {quizzes, homework, in-class problems} each 10 = 220 points available, 200 count	<u>200</u>
	<u>600</u> total

Grading Scale:

A for 89.50% of 600	≥	537
B for 79.50% of 600	≥	477
C for 69.50% of 600	≥	417
D for 59.50% of 600	≥	357
F for less than 59.50%	<	357

Students with excessive absences (more than 5 missed assignments) can be dropped from the course. The Academic Alert system will be utilized to inform you about problems with your performance and/or attendance and about actions necessary to meet the academic requirements.

If you have a disability and anticipate needing accommodations in this course, you are strongly encouraged to meet with me early in the semester. You will need to request that the Disability Services staff send a letter to me verifying your disability and specifying the accommodation you will need before I can arrange your accommodation. Disability Support Services (<http://dss.mst.edu>) is located in 204 Norwood Hall, phone 341-4211, email dss@mst.edu.

Academic Dishonesty will not be tolerated. See <http://registrar.mst.edu/academicregs>.

Emergency exit: classroom egress maps are posted at <http://registrar.mst.edu/links/egress.html>. The map for the physics lecture hall is here: http://registrar.mst.edu/documents/egress/egress_phys_104.pdf. Please take a moment to identify the emergency exit.

Unresolved complaints: It is hoped that any problems can be resolved through discussions between student and instructor. If there are any complaints that cannot be resolved you may contact the Physics Department Chairman, Dr. Waddill (waddill@mst.edu)