

Syllabus College Physics I (Physics 1145) Fall 2018

Time and place: MWF 8-8:50 Physics 104

Required materials: “College Physics” by Knight, Jones, and Field, 1st or 2nd edition, Chapters 1-16.

Instructor: Dr. Agnes Vojta
216 Physics
vojtaa@mst.edu

Course Website: <http://web.mst.edu/~vojtaa/phys1145>

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.

Prerequisites: Math 1160 (Trigonometry) and Math 1140 or 1120 (College Algebra)

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: Thurs 3-4:30pm and 6-7:30pm 127 Physics.

Test week help sessions: Day before test in Physics 127. Time tba.

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 days: Wed, September 19; Wed, October 17; Friday, November 16. Each test counts 120 points.

Final exam (Tuesday, December 11, 8am-9:30am, 104 Physics): 120 points

End Material Quiz will be given during the last class period, December 7. 40 points

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

Homework is due Friday 8am and will be collected every week. 10 points each set.

The three test preparation homeworks as well as the assignment in the last week of class will **not** be collected and graded; they serve solely as preparation for the tests and the end material quiz.

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

Regrades and spreadsheet corrections

Requests for regrades must be made in writing no later than the class following the class in which the assignment or test was returned. If a score has been entered incorrectly in the grade spreadsheet, you must bring me the assignment in question. Requests for corrections must be made before the beginning of the last class in the semester. No changes will be made after the end material quiz has been given.

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. Students with 5 or more missed assignments will not be allowed to switch to Hearer status.

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 203 Norwood Hall, phone 341-6655, email dss@mst.edu.

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

Title IX policies, resources and reporting options are available at <http://titleix.mst.edu>.

Emergency exit: classroom egress maps are posted at <http://designconstruction.mst.edu/floorplan/>. 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 Dr. Kate Drowne, Associate Dean for Academic Affairs (kdrowne@mst.edu).