

Syllabus College Physics II (Physics 2145) Spring 2019

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

Text: *College Physics* by Knight, Jones, and Field, Chapters 17-25. 1st or 2nd edition.

Instructor: Dr. Agnes Vojta
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Course Website: <http://web.mst.edu/~vojtaa/phys2145>

Goals: The main goals of this course are to develop an understanding of the basic principles of electrodynamics (including optics) 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 class.

Office hours/Learning assistance:

Physics Learning Center: Thurs 3pm-4:30pm and 6pm-7:30pm in Physics 202.

Test week help sessions: Day before test. 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: Friday February 22, Friday March 22, Wednesday April 24. Each test counts 120 points.

Final exam (Thursday, May 16, 3:00-4:30pm): 120 points

End Material Quiz will be given during the last class period (May 10). 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	\geq	537	D for 59.50% of 600	\geq	357
B for 79.50% of 600	\geq	477	F for less than 59.50%	$<$	357
C for 69.50% of 600	\geq	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.

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>.

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

Emergency exit: Egress maps for the physics building can be found at <http://designconstruction.mst.edu/floorplan/>

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).