Syllabus College Physics I (Physics 2145)  Spring 2022 (last updated 12/15/2021)

Time and place: MWF 8-8:50 104 Physics
Instructor: Dr. Agnes Vojta, 216 Physics, vojtaa@mst.edu

This is a classroom based course. Everybody is expected to attend in person. Exceptions are possible in special circumstances, for example in cases of illness or quarantine. In that case, you need to contact me beforehand and request to attend the class on Zoom. Do not come to campus if you feel sick or have been in contact with somebody who is ill or tested positive for COVID-19. All assignments will be provided in a format that allows you to submit them online through Canvas. Wear a face covering in class and follow the university’s procedures outlined at https://coronavirus.mst.edu/.

Required materials: “College Physics” by Knight, Jones, and Field, 1st or 2nd edition, Chapters 17-25; Lab manual (purchase online; $25). Computer with internet access, scanner or scanning app
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.
Prerequisites: Physics 1145
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: Thursday 3-4:30, details tba

Sources of course points:

Tests: Three tests will be given during class time on the following days: Friday February 18, Wednesday March 16, Wednesday April 20 . Each test counts 120 points.
Final exam (Monday, May 9): 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 weekly. 10 pts each.
Homework is due Friday 8am via Canvas. 10 points each set.
The three test preparation homeworks as well as the assignment in the last week of class will not be graded; they serve solely as preparation for the tests and the end material quiz.
Lab: 6 lab exercises, lowest score will be dropped. 20 pts each.

Points available:
In order to make up for missed assignments or having 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
- the lowest lab score of six will be dropped

If you are sick on an exam day, do not come to class. Contact me to arrange a makeup.
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 a 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 200
Lab 100 700 total

Grading Scale:
A for 89.5% of 700 ≥ 626
B for 79.5% of 700 ≥ 556
C for 69.5% of 700 ≥ 486
D for 59.5% of 700 ≥ 416
F for less than 59.50% < 416

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.

Attendance: Do not come to class if you feel sick or have been in contact with somebody who is ill or tested positive for COVID-19. All assignments will be provided in a format that allows you to submit them online through Canvas.

COVID-19 Contingency Plans. Due to the evolving Covid-19 situation, it may become necessary to change the delivery mode of one or more components of the course. In that case, I will strive to adhere to the syllabus and schedule as far as possible. I will communicate all details through Canvas. If you become ill or need to quarantine, let me know and participate in classwork online. If an instructor is ill or quarantined, their class will be conducted online.

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. Shannon Fogg, Associate Dean for Academic Affairs (sfogg@mst.edu).

Unresolved complaints about laboratory instructors: Please contact the professor in charge of the lab portion of the course, Dr. Dan Waddill (waddill@mst.edu)