

2015

PHYS 172 University Physics II

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Recommended Citation

Fatuzzo, Marco, "PHYS 172 University Physics II" (2015). *Physics Syllabi Spring 2015*. Paper 7.
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University Physics II
PHY 172 – Spring 2015

Instructor: Dr. Marco Fatuzzo

Phone: 745-3621

Office Hours: Tue 2:00 – 3:00, Thu 1:00 – 2:00, Fri 1:00 – 2:00, or by appointment.

Office: Lindner 110

E-Mail: fatuzzo@xavier.edu

Course Description and Goals: This calculus based introductory physics course covers topics including simple harmonic and wave motion, optics, electricity, and magnetism. The goal of the course is to allow students to gain a conceptual understanding of these topics in a manner that fosters critical thinking and problem solving skills. A good working knowledge of high school algebra, geometry and trigonometry is assumed.

Text: Physics for Scientists and Engineers, 3rd Edition by Knight. Powerpoint lectures, problem solutions, and other appropriate materials will be available on canvas.

Homework: You are encouraged to explore homework in a group setting. However, you are required to submit your own homework solutions. Solutions must be neat, show all work, and be in single column format to be eligible for full credit. Homework assigned on Monday or Wednesday is due by 2:45 pm Friday of that week, and homework assigned on Friday is due by 2:45 pm of the following Tuesday. For breaks and snow days, homework will be due on the following collection day (either T or F). Please turn hw in to me or place it in my mail box in Lindner 110. A late homework will receive a 2 pt penalty (out of 20 pts) per full school day that it is late. Exam corrections will be used to replace the three lowest homework scores at the end of the semester. Corrections are due by the final exam date. Solutions will be posted on canvas.

Practice Problems: These problems will be assigned but not collected for credit. Solutions will be posted on canvas on the day they are assigned.

Tentative test dates: Feb. 9 (Mon), March 16 (Mon), April 15 (Wed)

Final exam date: 12:00 - 1:50, Wednesday, May 6

Tests and the final exam (comprehensive) will cover material, problems and concepts presented in lectures and assigned for homework and practice problems. A student who cannot take a test due to a conflict with a required University sponsored event must notify me prior to the event so that suitable arrangements can be made.

A student will be allowed to use the grade on the final exam to substitute for one missed regular semester test. A student who misses any additional regular semester tests or the final exam must submit a full written and signed explanation for their absence (including appropriate documentation) in a timely fashion. Failure to make prompt notification will lead to an unexcused absence regardless of the validity of the excuse. If the absence is excused, the student will be allowed to take a make-up test or final exam at the instructor's convenience.

Class Attendance: Attendance, though not taken, is mandatory. You are responsible for the information presented in the lectures and for any assignments made during the class time. If you are late to class or absent, you are responsible for obtaining any pertinent information that was given during class.

Grading: Semester grades will be based on:

Homework	10%
Test with lowest score	15% total
Remaining two tests	25% each
Final exam	25%

The homework value is based on the percentage of total possible homework points that you receive. The test and final exam values are based on your score, but may be adjusted using a curve. Your final grade is based on the rounded (e.g. 86.65 = 86.7, 86.64 = 86.6) weighted average, using the above percentages, as fits the following scale:

	87.0-89.9 B+	77.0-79.9 C+	67.0-69.9 D+
93.0-100 A	83.0-86.9 B	73.0-76.9 C	60.0-66.9 D
90.0-92.9 A-	80.0-82.9 B-	70.0-72.9 C-	

Courtesy: Please leave your cell phones and ipods turned off during class. Please try not to leave the room during class unless it is a real emergency.

The instructor reserves the right to alter this syllabus if circumstances dictate.