

2014

# 170-01 University Physics I

Marco Fatuzzo

Follow this and additional works at: [http://www.exhibit.xavier.edu/physics\\_syllabi\\_fall\\_2014](http://www.exhibit.xavier.edu/physics_syllabi_fall_2014)

---

## Recommended Citation

Fatuzzo, Marco, "170-01 University Physics I" (2014). *Physics Syllabi Fall 2014*. Paper 12.  
[http://www.exhibit.xavier.edu/physics\\_syllabi\\_fall\\_2014/12](http://www.exhibit.xavier.edu/physics_syllabi_fall_2014/12)

This Restricted-Access Syllabus is brought to you for free and open access by the Physics Syllabi 2014 at Exhibit. It has been accepted for inclusion in Physics Syllabi Fall 2014 by an authorized administrator of Exhibit. For more information, please contact [exhibit@xavier.edu](mailto:exhibit@xavier.edu).

**University Physics I**  
**PHY 170 – Fall 2014**

**Instructor:** Dr. Marco Fatuzzo

**Phone:** 745-3621

**Office Hours:** M 1:00 – 2:00, W 10:30 – 11:30, Th 10:00 – 11:00, or by appointment.

**Office:** Lindner 110

**E-Mail:** [fatuzzo@xavier.edu](mailto:fatuzzo@xavier.edu)

**Course Description and Goals:** This calculus based course covers topics including linear and nonlinear motion, Newton's Laws, energy, momentum, and conservation laws. 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. Knowledge of high school algebra, geometry and trigonometry is assumed.

**Text:** Physics for Scientists and Engineers, 3<sup>rd</sup> Edition by Knight.

**Homework:** You are encouraged to explore homework in a group setting. However, you are required to submit your own homework solutions. All homework assignments are due two school days after the corresponding lecture is completed in class, and should be turned in during the next class period or placed in the instructor's mail box in Lindner 110 no later than 3:00 pm of the due date. A late homework will receive a 2 pt penalty (out of 20 pts) per full school day that it is late. Your lowest homework grade will be dropped when your course grade is calculated. Homework 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:** Sept. 26, Oct. 24, Nov. 21      **Final exam:** 12:00 - 1:50, Wed, Dec. 17

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 an exam 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 exam. A student who misses any additional regular semester exams or the final exam must submit a full written and signed explanation for their absence (including appropriate documentation) in a timely fashion. Failure to do so 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 exam or final 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.

<b>Grading:</b>	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 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 be on time, be engaged, and don't disrupt the class.

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