San José State University  
Physics Department  
Physics 105a, Fall Semester, 2017

[Basic] Course and Contact Information

Instructor: Patrick Hamill  
Office Location: Science 240  
Telephone: (408) 924-5241  
Email: Patrick.Hamill@sjsu.edu  
Office Hours: MWF 9:00-9:30, MWF 10:30-11:00, MW 12:00-1:00  
Class Days/Time: MWF 11:00-11:50  
Classroom: Sci 242  
Prerequisites: Phys 52 with grade of C- or better.

Course Description


Course Learning Outcomes (CLO)

Upon successful completion of this course, students will be able to:

CLO 1 Solve difficult problems in classical mechanics
CLO 2 Understand Newton’s laws. Know how to set up and solve a problem using the Lagrangian. Understand the conservation laws of mechanics and how they are related to symmetries in nature.

Required Texts/Readings

Textbook

Intermediate Mechanics by Patrick Hamill. Available at wind.sjsu.edu.

Course Requirements and Assignments

- The final examination will be held Monday December 15 from 9:45 to 12:00.
- The three midterm exams will be held in September, October, November on days that are convenient to most students.
- Homework will be due at the beginning of every class period. Assignments to be given in class.
- Quizzes will be held every Friday during the first 10 minutes of class.

Grading Policy

To encourage you to do homework, you must turn in at least 75% of the problems with a passing grade to get better than a C- for the course. One or two late homework assignments may be accepted. Homework is due at the beginning of the class period.

The grading scheme is:
- Weekly quizzes: 15%
- Homework: 20%
- 3 Midterms @ 15%: 45%
- Final Exam: 20%

The letter grades will be assigned according to the usual algorithm:
- A = 90 – 100
- B = 80 – 90
- C = 70 – 80 etc.

Classroom Protocol

No laptops, ipods, cellphones, etc. please.

University Policies

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs’ Syllabus Information web page at http://www.sjsu.edu/gup/syllabusinfo/"