San José State University
Physics Department
Physics 105b, Spring Semester, 2018

[Basic] Course and Contact Information

Instructor: Patrick Hamill
Office Location: Science 240
Telephone: (408) 924-5241
Email: Patrick.Hamill@sjsu.edu
Office Hours: MWF 11:00-11:00 AM and MW 1:00-4:00 PM
Class Days/Time: MWF 11:00-11:50
Classroom: Sci 242
Prerequisites: Phys 105a 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 theories of gravitation. Understand Coriolis forces. Know how to set up and solve problems involving oscillatory motion. Know how to describe and analyze rotational motion.

Required Texts/Readings

Textbook

Intermediate Mechanics by Patrick Hamill. Will be made available online.

Course Requirements and Assignments

- The final examination will be held on Monday May 21 from 9:45 to 12:00 am.
- The three midterm exams will be held in February, March and April 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

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Weekly quizzes</td>
<td>10%</td>
</tr>
<tr>
<td>Homework</td>
<td>15%</td>
</tr>
<tr>
<td>3 Midterms @ 20%</td>
<td>60%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>15%</td>
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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/