Physics 1310: College Physics I

Lecture 1310, MTWR 9:00 AM - 9:50 AM
Lab 1310, M 2:00 PM - 3:50 PM

Fall Session 2006

Instructor
Jared Bowden

Lecture Room/Lab Room/Office
PS 209/PS 204/PS 207

Office Phone
268-2064

E-Mail Address
jbowden@caspercollege.edu

Office Hours
Monday 1 - 2 PM
Tuesday 10 - 11 AM
Wednesday 12 - 1 PM
Thursday 4 - 5 PM
Friday 9 - 10 AM

Please note that the listed office hours are scheduled; if you need to see the instructor, but cannot make the posted office hours, appointments are always available.

Please read the entire syllabus carefully; you are responsible for all of the requirements and procedures described. You are also responsible for all announcements, assignments, changes to the syllabus, etc., whether or not you are in class.

Course Description

First semester course in physics designed for those majoring in physics, engineering, mathematics, or physical sciences. Topics covered are mechanics and heat.

Course Goals/Outcomes

To provide the opportunity for students:

a: To acquire a basic knowledge and understanding of physical principles

b: To develop problem-solving skills in preparation for more advanced training in the sciences and engineering

Prerequisites

Math 2200

Required Materials
Text:

Physics for Scientists and Engineers by Fishbane, Gasiorowicz, and Thornton, 3rd Edition

Calculator:

A standard scientific calculator (one that can do scientific notation, exponents and trigonometric functions will suffice). Graphing calculators (TI-83) are allowed, but not required.

Student Rights and Responsibilities

Please refer to the Casper College Student Handbook for information concerning your rights and responsibilities as a Casper College Student.

Chain of Command

If you have any problems in this class, you should first contact the instructor in order to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take the issue through the appropriate chain of command, starting with the department head, then the division chair, and lastly, the vice president for the academic affairs.

Course Policies and Procedures

ADA Accommodations Policy

It is the policy of Casper College to provide appropriate accommodations for any students with a documented disability. If you have a need for accommodation, please see the instructor at your earliest convenience. More information may be found at the following location: Disability Services. You may also contact the instructor or the following person for any questions that may arise.
Brent Heuer, Academic Services Counselor, by phone 268-2557

Academic Standards

As an educational institution, Casper College demands intellectual honesty and integrity from its students. Proven plagiarism or any other form of academic dishonesty can result in the failure of the class as well as a possible expulsion from Casper College. Students are expected to see the Casper College Student Code of Conduct for more details.

Late Policy

Exams: If you are aware that you will have to miss an exam, let the instructor know as early as possible. A make-up exam may be given if the situation merits and will take place outside of the regularly scheduled class period.
Homework: Late homework will be accepted, with the following penalty: For every day late, the assignment will be docked 15% of its total points. After 4 days, no credit will be given to the assignment.
Labs: Missed labs will never be allowed to be made-up.

Withdrawals

The last day to withdraw, or to change to an audit, of this class is November 3.
Methods of Evaluation

This class will have 4 one-hour Exams, 1 two-hour final Exam, 8 Quizzes, 14 Labs, and 14 Homework Assignments. The one-hour exams, while not by definition cumulative, will be based on material from throughout the semester; therefore, it is in the student's best interest to think of the exams as cumulative. Not all quizzes will be announced ahead of time, so staying abreast of the material will be advantageous. Homework problems will be graded on a trinary scale, with 0 points awarded for no work shown; 1 point awarded for an incorrect answer with sufficient work shown; and 2 points awarded for the correct answer with sufficient work shown. Homework will always be collected on the Monday following the day it was handed to the student.

EVALUATION CRITERIA

<table>
<thead>
<tr>
<th>Material</th>
<th>Points for Each</th>
<th>Total Points</th>
<th>% of Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 One-Hour Exams</td>
<td>75</td>
<td>300</td>
<td>30%</td>
</tr>
<tr>
<td>8 Quizzes</td>
<td>20</td>
<td>160</td>
<td>16%</td>
</tr>
<tr>
<td>14 Homework Assignments</td>
<td>15</td>
<td>210</td>
<td>21%</td>
</tr>
<tr>
<td>14 Labs</td>
<td>10</td>
<td>140</td>
<td>14%</td>
</tr>
<tr>
<td>1 Two-Hour Final</td>
<td>190</td>
<td>190</td>
<td>19%</td>
</tr>
<tr>
<td>Totals for the Course</td>
<td></td>
<td>1000</td>
<td>100%</td>
</tr>
</tbody>
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Grading will be assigned approximately as follows: A: 900 - 1000; B: 800 - 899; C: 700 - 799; D: 600 - 699; F: 0 - 599. The scale can always go lower, but will never go higher.