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**

Designed for liberal arts, pre-medical, pre-law, pre-dental, vocational and technical students. The subject material is presented with less emphasis on derivation of formulas and more emphasis on the social significance of science and its applications to everyday life. Topics covered are fluids, mechanics, wave motions and sound.

**Course Goals/Outcomes**

Provide the opportunity for students to acquire a basic knowledge and understanding of the following topics:
- a: 1-D and 2-D kinematics.
- b: Newton’s 3 Laws.
- c: Work and energy.
- d: Pressure and gravity.
- e: Angular kinematics.
- f: Rotational dynamics.
- g: Simple harmonic motion.

**Required Materials**
College Physics by Young and Geller, 8th 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. The calculator on a cell phone is not sufficient.

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

Late work will not be accepted, unless the student is at a school sponsored event.
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 be given if the situation merits, and will take place outside of the regularly scheduled class period.

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, Weekly Participation, 14 Labs, and 14 Homework Assignments. All exams throughout the semester will be cumulative. Not all quizzes/participation will be announced ahead of time, so staying abreast of the material will be advantageous. Homework problems will be graded on a ternary 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 Wednesday 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>90</td>
<td>360</td>
<td>37%</td>
</tr>
<tr>
<td>Weekly Participation</td>
<td>70</td>
<td>70</td>
<td>7%</td>
</tr>
<tr>
<td>14 Labs</td>
<td>15</td>
<td>210</td>
<td>21%</td>
</tr>
<tr>
<td>14 Homework Assignments</td>
<td>15</td>
<td>210</td>
<td>21%</td>
</tr>
<tr>
<td>1 Two-Hour Final Exam</td>
<td>150</td>
<td>150</td>
<td>15%</td>
</tr>
<tr>
<td>Totals for the Course</td>
<td></td>
<td>800</td>
<td>100%</td>
</tr>
</tbody>
</table>

Grading will be assigned approximately as follows: A: 870 - 1000; B: 750 - 869; C: 625 - 749; D: 500 - 624; F: 0 - 499. This scale could be lower, but will never be higher.