CASPER COLLEGE COURSE SYLLABUS

PHYS 1050 02: Concepts of Physics

Semester/Year: Spring 2016

Lecture Hours: 3          Lab Hours: 3          Credit Hours: 4

Instructor’s Name: Jared Bowden

Instructor's Contact Information:  Office Phone: (307)268-2064  Email: jbowden@caspercollege.edu

Office Hours: M 10:00 – 11:00 AM, 2:00 – 3:00 PM; W 10:00 – 11:00 AM; ThF 11:00 – 11:50 AM

Course Description: One semester course for those students whose curricula call for an introduction to elementary physical concepts.

Statement of Prerequisites: MATH 0900

Goal: The Department will instruct students on knowledge gathering techniques and the understanding of basic physical concepts at a level appropriate to the class level and the student’s individual career goals. A well instructed science student will be able to take a problem, analyze it both qualitatively and quantitatively, find a solution, and present the solution to others in an appropriate manner conducive to the knowledge level of the audience.

In PHYS 1050, students will gain a working knowledge of the basic physical world and the universe around them. Students will use both qualitative and quantitative problem-solving skills to answer a variety of physics problems.

Outcomes: The bolded outcomes below apply from the Casper College General Education outcomes.

1. Demonstrate effective oral and written communication

2. Use the scientific method

3. Solve problems using critical thinking and creativity

4. Demonstrate knowledge of diverse cultures and historical perspectives

5. Appreciate aesthetic and creative activities

6. Use appropriate technology and information to conduct research

7. Describe the value of personal, civic, and social responsibilities

8. Use quantitative analytical skills to evaluate and process numerical data

Methodology: This course will be an independent study course. The student will meet with the instructor for 1-2 hours a week to discuss weekly readings and homework. Labs will be performed at agreed upon times by the student and the instructor. The chapters covered will be decided in the first week of class.

Class Policies:
All coursework (homework, lab and exams) will have their due dates decided upon by the student and instructor. No late work will be accepted.

Last day to change to an audit or withdraw from the course: April 14th, 2016.
Evaluation Criteria:
This class will have a Homework Assignment for each chapter (approximately 1 per week.) Lab assignments will be graded upon completion of the exercise (12 labs in total, with 2 lowest dropped.) Five (5) exams will be given, with the lowest exam dropped.

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<thead>
<tr>
<th>Method</th>
<th>Points for Each</th>
<th>Total Points</th>
<th>% of Total Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 HW Assignments</td>
<td>20</td>
<td>300</td>
<td>30%</td>
</tr>
<tr>
<td>10 Lab Assignments</td>
<td>10</td>
<td>100</td>
<td>10%</td>
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<tr>
<td>4 Exams</td>
<td>150</td>
<td>600</td>
<td>60%</td>
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<tr>
<td>TOTAL FOR THE COURSE</td>
<td></td>
<td>1000</td>
<td>100%</td>
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Grading Scale for the Course:
900 ≤ A ≤ 1000
800 ≤ B ≤ 899
700 ≤ C ≤ 799
600 ≤ D ≤ 699
0 ≤ F ≤ 599

Casper College may collect samples of student work demonstrating achievement of the above outcomes. Any personally identifying information will be removed from student work.

Student Rights and Responsibilities: Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

Chain of Command: If you have any problems with this class, you should first contact the instructor to attempt to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take the matter through the appropriate chain of command starting with the Department Head/Program Director, the Dean, and lastly the Vice President for Academic Affairs.

Academic Dishonesty: (Cheating & Plagiarism) Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct for more information on this topic.

Official Means of Communication: Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly. This is also, where you will find course evaluation links during course evaluation periods.

ADA Accommodations Policy: If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college’s Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, bheuer@caspercollege.edu. The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.