Instructor: Dr. David Bennum
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Office Hours: M 11:00-1:30, T 11:00-12 noon, W 11:00-12 noon, Th 11:00 AM-1:00 PM, F 11:00 AM-1:00PM (or by appointment)

Homework Web Site: We will be using the online homework program packaged with your textbook, the web address is: www.webassign.net/login.html. The course key for self-enrollment is unr 4820 9290. The log in page leads to a registration page with three boxes and the key is entered in these boxes in the grouping shown. The cost is 75 dollars for one term or 110 dollars for multi-term (life of edition) which cover the homework plus an e-book text. Since all assignments are viewed and submitted through this portal, any bound reference text for introductory physics should suffice and used older editions of the Serway texts are available at low cost. Tests will be open notes but texts may not be used so a bound copy is not required if you are satisfied with e-text. I will also make use of Web-Campus for posting materials related to the course, and we will use the new Turning Technologies clickers for in class quizzes and exercises.

Text: Physics for Scientists and Engineers, 9th Edition
Authors: Serway and Jewitt

Course Description: (from the UNR Course descriptions) 3 credits. Vectors, one and two dimensional kinematics, particle dynamics, work and energy, momentum, rotational mechanics, oscillations, gravitation, fluids, elastic waves and sound.
Prereq(s): MATH 181.

Methodology: Class discussion and participation will enhance the learning environment and will be important ingredients in our class. We will use a variety of methods to introduce concepts including group work, clicker quizzes and discussion as well as more traditional methods. Our online component will be used for homework assignments. Most importantly please ask questions when something isn’t clear and especially if you find your curiosity has been piqued! Be willing to actively participate — volunteer a different explanation or point of view, ask a question, but please don’t exclude yourself from the learning process.

Student Learning Objectives:

1. The student will demonstrate problem solving skills in various types of problems in physics using quantitative reasoning, critical thinking and appropriate mathematical techniques.
2. The student will demonstrate the ability to use scientific methods to understand and explain concepts in physics.
3. The student will be able to connect physics concepts and problems to their world experience.

Exams: There will be 3 exams and a comprehensive final, exams will consist primarily of problems and work must be shown.
• 1st Exam: Sept. 26th
• 2nd Exam: Oct. 29th
• 3rd Exam: Dec. 5th
Final Exam: TBA (NOTE: The final exam is optional and can replace any of the three semester exams, so if you miss an exam you may take the final to replace it (make-ups are only given for exceptional circumstances). If you are happy with your grade after the three semester exams you do not have to take the final!

2. **Homework & Quizzes:** Homework will be assigned for each chapter. It is extremely important to work through each assigned question and problem, as it is impossible to learn physics without doing physics. This homework will be done and graded online. It is your responsibility to make sure you know the assignments and the homework that is graded. There will be a quiz most weeks. These quizzes will be based on material currently being covered and may consist of conceptual questions, problems, or a combination of both. Some quizzes may be based solely on the reading. There are NO makeup quizzes, please don't ask! A total of 50 points for quizzes and 100 points for homework will be included in your final grade. At least two quiz scores will be dropped and only the best 10 homework scores will count.

3. **Labs:** Lab classes start the third week of class. If you are registered for 180L, check your schedule for your day and time. You will be assigned a teaching assistant who will be responsible for giving you the requirements for completing the lab.

4. **Attendance:** It is expected that you attend all classes. If you must miss a class it is your responsibility to get all assignments and to know the material covered. Please don't hesitate to call or email me for the information, however, I encourage you to get to know two or three of your classmates and exchange phone numbers or email addresses. Remember there are no make-up quizzes or exams!

**GRADING:**
- Exams: 300pts
- Homework and Quizzes: 150pts
Total possible points: 450
  - A = 395-450
  - B = 340-394
  - C = 270-339
  - D = 220-269
  - F = <220 or see below

*NOTE:* In order to pass the class you must take three exams and complete at least 50% of the homework and quizzes.

**COURSE OUTLINE:** The most important thing you can do to be prepared for all classes is to keep up with the reading and homework assignments. Read the chapters to be covered before coming to class, this will ensure you are ready to make the most of the class time since I will not be summarizing the reading. Some quizzes may be based solely on the reading!

- Week 1 - Chapters 1,2
- Week 2 - Chapter 3, 4
- Week 3 - Chapter 4,5
- Week 4 - Chapter 5,6
- Week 5 - Chapter 6 (Exam 1, Friday, 9/26)
• Week 6 - Chapter 7
• Week 7 - Chapters 7, 8
  Week 8 - Chapter 9
• Week 9 - Chapter 10
• Week 10 - Chapter 12
• Week 11 - Chapter 13 (Exam 2, Wed. 10/29)
• Week 12 - Chapters 14
• Week 13 - Chapter 15
• Week 14 - Chapter 16
• Week 15 - Chapter 17, 18 (Exam 3, Friday 12/5)
• Final: See MyNevada final schedule. This is a tentative outline of what we will cover, we may spend more or less time on a particular topic. The exam schedule is set; the topics covered will reflect what we get to in class not always what the schedule above states.

Statement on Academic Dishonesty: "Cheating, plagiarism or otherwise obtaining grades under false pretenses constitute academic dishonesty according to the code of this university. Academic dishonesty will not be tolerated and penalties can include canceling a student's enrollment without a grade, giving an F for the course or for the assignment. For more details, see the University of Nevada, Reno General Catalog."

Statement of Disability Services: "Any student with a disability needing academic adjustments or accommodations is requested to speak with the Disability Resource Center (Thompson Building, Suite 101) as soon as possible to arrange for appropriate accommodations."

Statement for Academic Success Services: For example, "Your student fees cover usage of the Math Center (784-4433 or www.unr.edu/mathcenter/), Tutoring Center (784-6801 or www.unr.edu/tutoring-center), and University Writing Center (784-6030 or http://www.unr.edu/writing-center). These centers support your classroom learning; it is your responsibility to take advantage of their services. Keep in mind that seeking help outside of class is the sign of a responsible and successful student."

Statement on Audio and Video Recording: "Surreptitious or covert video-taping of class or unauthorized audio recording of class is prohibited by law and by Board of Regents policy. This class may be videotaped or audio recorded only with the written permission of the instructor. In order to accommodate students with disabilities, some students may have been given permission to record class lectures and discussions. Therefore, students should understand that their comments during class may be recorded."