Syllabus – College Physics- PHYS 151
Fall 2006

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Physics Now: www.ilrn.com
PINCODE: E-3J8K4B4BFRFRS (Note this pin code should be used to register in the class, not the pin code distributed with the book. Also please note, register only once. If you lose your password contact me or tech support and be careful that you note passwords are case sensitive.)

Holidays from class- November 23rd

Text: College Physics, 7th Edition
Author: Raymond A. Serway and Jerry Faughn

Course Description: PHYS 151. This covers the subjects of kinematics, motion in 2 and 3 dimensions, conservation of energy and momentum, gravity, heat and sound. Prerequisites: Math 128.

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 and discussion as well as more traditional methods. A web-based component that is packaged with your textbook will be included this semester. We will use it to compliment the learning in our class with homework assignments done and graded online for immediate feedback. Most importantly please ask questions when something isn’t clear and especially if you find your curiosity has been peaked! 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.

Learning Objectives: The objectives for this course are to both learn basic principles of Physics and to learn to apply problem solving strategies to diverse problems. As such, problem solving will be both our main learning tool and one of our main learning objectives.

Requirements:

1. Exams: There will be 3 exams and a comprehensive final:
   - 1st Exam: September 26
   - 2nd Exam: November 2
   - 3rd Exam: December 7
   - Final Exam, optional, December 19

NOTE: The exams may include multiple choice, fill in, but will emphasize problems. Always show all your work and include proper units. Final exam is optional, one exam grade may be replaced with the score from a comprehensive final exam given on the final class meeting.
2. **Homework & Quizzes:** Homework will be assigned each week. It is extremely important to work through each assigned 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 the assigned homework and may be conceptual or problem solving. 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.

3. **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 to three of your classmates and exchange phone numbers or email addresses.

**GRADING:**

- Exams: 300pts
- Quizzes and Homework: 150pts
- Lab grade: 100 (normalized through all sections)
- Total possible points: 550

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\begin{align*}
A &= 550 - 506 \\
A- &= 505 - 495 \\
B+ &= 494 - 485 \\
B &= 484 - 451 \\
B- &= 450 - 440 \\
C+ &= 439 - 429 \\
C &= 428 - 375 \\
C- &= 374 - 350 \\
D+ &= 349 - 335 \\
D &= 334 - 295 \\
D- &= 294 - 275 \\
F &= \text{below 275}
\end{align*}
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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. The assigned homework is considered the bare minimum you should do. I encourage you to work through as many extra problems as you can, especially in chapters you find more difficult. The PhysicsNow online component of your textbook is a useful tool and I encourage you to use its resources to make the most of your study time.

- Week 1 - Chapters 1, 2
- Week 2 - Chapters 2, 3
- Week 3 - Chapter 4
- Week 4 - Chapter 4/Review
- Week 5 - (Exam 1, Sept. 26th) & Chapter 5
- Week 6 - Chapter 5 & 6
- Week 7 - Chapter 6 & 7
- Week 8 - Chapter 7 & 8
- Week 9 - Chapter 8
- Week 10 - Chapter 9/Exam 2, November 2)
- Week 11 - Chapter 10
- Week 12 - Chapter 11, 12
- Week 13 - Chapters 12, 13
- Week 14 - Chapter 13, 14
- Week 15 - (Exam 3, Dec. 7)
- Week 16 - Grades and final review

Note: This is a tentative outline of what we will cover, we may spend more or less time on a particular topic.

ADA Statement: Qualified students with physical or documented learning disabilities have the right to free accommodations to ensure equal access to educational opportunities at the University of Nevada, Reno. For assistance and clarification of services provided under ADA, contact the Disabled Student Services Office.

Academic Integrity: All examinations, homework, and quizzes must be completed by the student; any act of plagiarism (cheating, piracy, theft, etc.) will result in immediate suspension from the course.