UNIVERSITY OF VERMONT
Department of Physics
Physics 031
Fall 2014
General Information

Instructor: R. Headrick, A509 Cook.

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Office Hours: Mon 12:35-1:35 p.m., Tues. 9:00 – 10:00 a.m., Thurs. 2:00 -3:00 p.m. or by appointment.

Materials:

- Access to .smartPhysics

- Textbook (optional): "smartPhysics, Classical Mechanics" by Gladding, Selen and Stelzer.

- Pocket calculator with trigonometric functions, scientific notation and exponential functions.

- Lab manual and lab notebook with carbon, No. 77644 or 77649. Both items are available at the UVM bookstore.

- On 2-hour reserve in Bailey-Howe Library

- Physics for scientists and engineers by Serway, R.A., & Jewett, J.W.

- Physics for scientists and engineers with modern physics: a strategic approach by Knight, R.D.

- University Physics with modern physics by Young, H.D., & Freedman, R.A.

Course format:

Three lectures per week on Monday, Wednesday and Friday 11:45 - 12:35 a.m., B112 Angell. New topics will be presented at this time. Laboratory exercises will be conducted on Wednesdays. See Course Outline posted on Blackboard for details.

Homework:

Homework problems serve as illustrations of the lecture material and are essential towards consolidation of the students' grasp of physical principles. The smartPhysics calendar shows the homework assignments for each unit.

Examinations:

There will be four hourly exams based on lecture, homework and smartPhysics material. The final examination will have two parts, the first part will be the fourth hourly exam and the second part will be cumulative and cover the material from the first three hourly exams.
Course Grades:

For each student, a score will be computed based on 100 points to be distributed as follows:

- Four hourly exams: $4 \times 12 = 48$ points.
- Final cumulative examination: 12 points.
- smartPhysics homework problems: 15 points.
- smartPhysics prelectures and checkpoints: 5 points
- Laboratory: 20 points.

Up to six points of extra credit may be awarded upon completion of online work posted on Blackboard.

Numerical to Letter Grade Conversion:

Final grades will be calculated and rounded up to the nearest one-tenth of a point. Letter grades will be assigned as follows:

- A range = 100.0 - 90.0
- B range = 89.9 - 80.0
- C range = 79.9 - 70.0
- D range = 69.9 - 60.0
- F = below 60.

Grade Posting:

Grades will be posted on Blackboard to ensure privacy. It is each student's responsibility to verify the accuracy of the postings regularly. Report any discrepancies promptly.

Attendance policy:

Attendance at lectures will be taken frequently. A student's attendance record provides additional information for assessing a student's overall attitude in the course. It will be used for advising, for documentation in a letter of reference, etc. Regular attendance is not in itself adequate justification for awarding college credit. It is the student's responsibility to keep up with missed material, announcements, etc.

Missed work policy:

Often, circumstances beyond a student's control warrant an absence. Valid reasons for such absences must be documented by notes from the academic dean, the attending physician, the team coach, the officiating clergyman, the presiding judge, the arresting officer, the FEMA official etc. Merely being seen by a physician is not a valid reason, neither is a sibling's out-of-town wedding, a planned family vacation or a rock concert in Albany.

Missing Hourly Exams:

Missing an hourly exam will result in a score of zero unless the student has a valid excuse as defined above. A student with a valid reason may be given a make-up exam at a time that is mutually convenient for the student and the instructor.

Missing the Final:
Missing the final examination will result in a final course grade of F unless the student has arranged with the instructor through the appropriate academic dean for an "Incomplete."

**Technology in the Classroom:**

Laptop computers are not permitted in the classroom unless individual approval has been granted by the instructor. Please come to office hours to arrange such permission. Students using approved laptop computers will be asked to sit in the first two rows. Cell phone use is not permitted in class, please turn them off before entering the classroom. Texting in class is expressly prohibited and repeat offenders will see grade point deductions.

**Religious Holidays Policy:**

Students have the right to practice the religion of their choice. Each semester students should submit in writing to the instructor by the end of the second full week of classes their documented religious holiday schedule for the semester. Faculty must permit students who miss work for the purpose of religious observance to make up this work.

**Student Learning Accommodations:**

In keeping with University policy, any student with a documented disability interested in utilizing accommodations should contact ACCESS, the office of Disability Services on campus. ACCESS works with students to create reasonable and appropriate accommodations via an accommodation letter to their professors as early as possible each semester. The formal University policy on disability certification and student support can be found online at: [http://www.uvm.edu/~uvmppg/ppg/student/disability.pdf](http://www.uvm.edu/~uvmppg/ppg/student/disability.pdf)

Contact ACCESS: A170 Living/Learning Center 802-656-7753, access@uvm.edu, [http://www.uvm.edu/access/](http://www.uvm.edu/access/)

**Academic Dishonesty Disclosure:**

Academic dishonesty will not be tolerated. Perceived failures to abide by the standards of academic integrity will be prosecuted as set forth in the Academic Integrity Code