

Phy 132-001- Mechanics & Heat II
Summer II 2009
MTWR (8:00 – 9:55)AM Miller Science 323

Instructor: R. Friedfeld

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Office Hours: MTWR (2:30 – 3:30)PM, July 14 – Aug. 14, 2009

Text Book: College Physics 8th ed.

Authors: Serway/Faughn/Vuille

Course Description: Fundamental principles of mechanics and heat. Lecture and laboratory grades are computed into one grade, and the same grade is recorded for both lecture and lab.

Prerequisite: High school Trigonometry

Co-requisites: Phy 132L (Mechanics and Heat laboratory)

Course Objectives: To study and master the basic principles of wave motion, oscillatory motion, sound, electricity and magnetism and basic optics.

CALENDAR

DATE	CHAPTER
July 14 – July 15	Chapter 13 Vibrations and Waves
July 15 - July 16	Chapter 14 Sound
June 16 – July 20	Chapter 15 Electric Forces and Electric Fields
July 20 - July 21	Chapter 16 Electrical Energy and Capacitance
July 22 Exam #1 (13-16)	
July 23 - July 27	Chapter 17 Current and Resistance
July 27 - July 28	Chapter 18 Direct Current Circuits
July 28– July 29	Chapter 19 Magnetism
July 29 – July 30	Chapter 20 Induced Voltages and Inductance
Aug. 03 Exam #2 (17- 20)	
Aug. 04 – Aug. 05	Chapter 21 Alternating Current Circuits & Electromagnetic Waves
Aug. 05 – Aug. 06	Chapter 22 Reflection and Refraction of Light
Aug. 06 – Aug. 10	Chapter 23 Mirrors and Lenses
Aug. 10 – Aug. 11	Chapter 24 Wave Optics
Aug. 11- Aug. 12	Chapter 25 Optical Instruments
Aug. 14	COMPREHENSIVE FINAL EXAM (8 – 10) AM

EXAMS & GRADING:

There will be three major exams including the final. The dates of these exams are listed in the course calendar. The exams are show your work type questions and problems. Students will have three class days after each exam to review the exams and discuss the grades. No make-up exams will be given except in the case of an excused absence. A written and signed notice is required for an excused absence within three days of the exam. Any makeup exam must be taken within three class days of the missed exam or a grade of zero will be recorded. The makeup exams may be more difficult than the original exam.

EXAM DATES: July 22 – Exam 1 (Ch13-Ch16)
Aug. 03 – Exam 2 (Ch 17 – Ch 20)
Aug. 14 – Final Exam (Ch13 – Ch25)

GRADING: Exam 1 – 25%
Exam 2 – 25%
Home Work – 20%
Final exam – 30%

} 100 %
Lecture
Average

GRADING SCALE: (100-90) A (89.9 – 80) B (79.9 – 70)C (69.9 – 60) D (<60) F

Final Average = 75%(Lecture Average) + 25%(Lab Average)
Your final average determines the final letter grade for both lecture and lab.

HOME WORK:

Practice problems from the text book will be assigned for homework. A few selected problems from the homework will be collected for grading, however, you are responsible for doing ALL assigned homework.

HOMEWORK POLICIES:

LATE HOMEWORK: A late homework assignment will not be accepted unless there is a legitimate excuse. The maximum possible score on a late homework assignment is 70%, even if all the solutions are correct.

When doing the homework, follow these guidelines:

- 1) Use 8.5" x 11" paper, lined or unlined but NOT torn from a spiral notebook.
- 2) Write in pencil on one side of the page only.
- 3) Attach a cover page with the following information printed:
Your name, date, course number (Phy 132), chapters and list of problems.

- 4) Your homework should be complete and ready to submit at the beginning of the class on the due date. Unstapled sheets WILL NOT be accepted.
- 5) Be sure your homework is legible. If I cannot read it, it does not get graded.
- 6) Include the following when working a problem:
 - a) The equations used.
 - b) Correct units.
 - c) Vector arrows where appropriate.
 - d) Box in all final answers.
 - e) Any graphs required for the solution should be drawn on graph paper. (unless reading a graph from the book)

ACADEMIC INTEGRITY (A-9.1)

Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism.

Definition of Academic Dishonesty

Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class (homework, clicker, exams, lecture or lab); (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one's paper without giving the author due credit.

Please read the complete policy at

http://www.sfasu.edu/policies/academic_integrity.asp

Penalties may include no credit or failure in the course.

WITHHELD GRADES SEMESTER GRADES POLICY (A-54)

Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.

The circumstances precipitating the request must have occurred after the last day in which a student could withdraw from a course. Students requesting a WH must be passing the course with a minimum projected grade of C.

IMPORTANT DATES:

Aug. 10, Tuesday – Last day to drop courses. Last day to withdraw from the university without a WP or WF.
Aug. 14, Friday – Final Exam (8 – 10) AM

STUDENTS WITH DISABILITIES:

To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to <http://www.sfasu.edu/disabilityservices/>

DEAD WEEK:

"Dead Week" pertains to the week of classes before final exam week. The instructor of this course reserves the right to administer exams and/or collect homework assignments during the week of classes known as "Dead Week"