

Physics 2213 – Fall 2008

Text: Essential University Physics, Vols. 1 and 2, by Richard Wolfson

Prerequisite: PHYS 2212K

The topic areas for this course are thermal and modern physics. Students completing this course should be able to: (1) predict the behavior of an ideal-gas system using the first law of thermodynamics, (2) recognize the second law of thermodynamics in multiple forms, (3) understand the quantization of energy states for bound systems, and (4) infer the binding energy of a nucleus of an isotope from its atomic mass. Other aspects of the topic areas will be covered as well.

There will be three regular tests and a final exam for this course. The tests will consist primarily of multiple-choice items, but each test will also include a free-response item. Most of these items will be problems, but some of the multiple-choice items will be conceptual. Homework will also be collected from time to time.

The test schedule is:

Test 1	Chapters 15 – 19	Thursday, September 25
Test 2	Chapters 33 – 35	Tuesday, October 28
Test 3	Chapters 36 – 39	Tuesday, December 2

The final exam will be scheduled later by the registrar. Do not make any plans that might conflict with the final exam.

Plan to take the tests as scheduled. No make-up tests will be given. If one test is missed a replacement score will be created from the corresponding problems on the final exam. [If the absence was *unavoidable* and the reasons for it are *verifiable*, then the reasons must be submitted *in writing*, along with appropriate documentation, upon your return to class.] If more than one test is missed without such reasons (or if they are not provided) a grade of zero will be assigned for each missed test after the first. [The replacement procedure described is applied for each *excused* absence.] If no tests are missed then the lowest test score will be compared to a score produced from the corresponding material on the final exam and the higher of the two grades will be used as the score for that test. There are *no exemptions* from the final exam.

Not all of the content of all listed chapters will be covered and some of the content will be covered only as review. [Some of it was contained in PHYS 2211K or PHYS 2212K.]

The point credit distribution for the course is as follows:

3 tests @ 20 points each	60 points
Homework	15 points
Final Exam	30 points
TOTAL	100 points

The presence of 5 “extra” points is intentional.

Homework to be collected will not be announced in advance. At the end of any class meetings, other than the meeting during which the assignments are handed out and the last meeting prior to a test, one problem may be collected. It will be due when it is announced and will not be accepted at any other time.

The last day to withdraw with a grade of ‘W’ is Tuesday, October 7.

Any student who believes that he or she has a disability that produces a need for special accommodations, and who has not already done so, should contact the ATTIC to determine if he or she is eligible for special assistance. Any student who has already been determined by the ATTIC to require special assistance should notify all appropriate course instructors as soon as possible. No special accommodations can be made without approval from the disabilities coordinator at the ATTIC.

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Office Hours: M, T, Th 10:00 – 10:50
M, Th 2:30 – 3:20