

The University of Texas at Tyler
Syllabus
Fall 2009
Physics 2125 Section 1

Instructor: Dr. Randy Back

Class Room: RBN 4034

Class Time: M 2-5

Email: rback@uttyler.edu

Office: RBN 4047

Phone: (903) 565-5797

Office Hours: MWF 10-12. You should feel free to stop by my office any time. If I am free I will be happy to help you.

Course Topics: This course is designed to give students hands on experience that will compliment the principles and concepts covered in lecture. Major topics covered will include Kinematics, Forces, Energy, Momentum and Rotational motion

Text: *Physics for Scientists and Engineers*, 7th edition volume 1 by Serway & Jewett.

Corequisite: PHYS 2325

Labs: Each class period you will complete an experiment and write up a report due the following lab period.

Make-up: No late work will be accepted. If you have an excused absence you must make up the work before the due date.

Grading: Each lab report will be worth a maximum of 10 points. At the end of the semester each student will have to complete a project and a paper. More details on the project will be provided in class. The paper and project will be worth a total of 40 points. At the end of the semester all of your points will be totaled and divided by the maximum possible. A(90%-100%), B(80%-89%), C(70%-79%), D(60%-69%),F(<60%).

Disability Statement: "If you have a disability, including a learning disability, for which you request disability support services/accommodation(s), please contact Ida MacDonald in the Disability Support Services office so that the appropriate arrangements may be made. In accordance with federal law, a student requesting disability support services/accommodation(s) must provide appropriate documentation of his/her disability to the Disability Support Services counselor. In order to assure approved services the first week of class, diagnostic, prognostic, and prescriptive information should be received 30 days prior to the beginning of the semester services are requested. For more information, call or visit the Student Services Center located in the University Center, Room 282. The telephone number is 566-7079 (TDD 565-5579)." Additional information may also be obtained at the following UT Tyler Web address: <http://www.uttyler.edu/disabilityservices>.

Social Security Statement: It is the policy of The University of Texas at Tyler to protect the confidential nature of social security numbers. The University has changed its computer programming so that all students have an identification number.

Note Regarding Student Absence due to Religious Observance: Students who anticipate being absent from class due to a religious observance are requested to inform the instructor by the second class meeting of such absences.

Grade Replacement

If you are repeating this course for a grade replacement, you must file an intent to receive grade forgiveness with the registrar by the Census date. Failure to file an intent to use grade forgiveness will result in both the original and repeated grade being used to calculate your overall grade point average. A student will receive grade forgiveness (grade replacement) for only three (undergraduate student) or two (graduate student) course repeats during his/her career at UT Tyler. (2006-08 Catalog, p. 35)

Course Objectives/Student Learning Outcomes

1. Communicate information in a logical and scientific manner.
2. Develop a better understanding of ideas and concepts covered in lecture.
3. Evaluate the connection between real world measurement and error and theories covered in class.
4. Develop problem solving abilities.
5. Use varied approaches for the acquisition of knowledge and its application to scientific issues.