

College Physics II, PHY 1102, Section 1

Class Room:RBN4032

Class Time: 2:00PM Wed

Instructor: Jennifer Kreft Pearce

Office:RBN4046

Office Hours: Mon, Wed, Fri 10-12; other times available by appointment

Email:jkreft@uttyler.edu

Co/Prerequisites: College physics II lecture, PHY 1302

Course Materials: Lab manual available from the bookstore.

Course description: PHY 1101 is an introductory laboratory course focused on the physical principles associated with electricity, magnetism, and optics.

Grading

Classwork (75% of total grade): Each class period students will complete an experiment and answer questions pertaining to the physical principles studied.

Project (25% of total grade): Students will write a research paper and give a short (~10 minute) talk on an application of the principles involved in this class.

Make-up work: No late work will be accepted. If you know you will miss a class, you must make arrangements in advance and complete all assignments by the due date. One in class assignment will be dropped to allow for unexpected calamities.

Student Learning Outcomes (Course Objectives)

1. Develop creative and critical thinking skills.
2. Gain an in-depth, conceptual understanding of the physical principles involved in mechanics, Newton's Laws, rotational motion, periodic motion, momentum and energy through hands-on learning opportunities.
3. Use varied approaches for the acquisition of knowledge and its application to the exploration of scientific issues.
4. Appropriately reason, synthesize knowledge, and/or evaluate sources of information necessary to solve problems.

Disability Statement: If you have a disability, including a learning disability, for which you request disability support services/accommodation, 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 must provide documentation of his/her disability to the Disability Support Services counselor. For more information, call or visit the Student Services Office located in the University Center, Room 282. The telephone number is 566-7079 (TDD 565-5579).

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 12th day of class. 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)