

**COLLIN COUNTY COMMUNITY COLLEGE DISTRICT
COURSE SYLLABUS**

Course Number: PHYS 1401 laboratory

Course Title: General Physics 1401

Course Credit Hours: 4 **Lecture Hours:** 3 **Lab Hours:** 3

Prerequisite: Pass reading requirement of TSI and high school pre-calculus or equivalent within the last five years with a “C” or better. A course that included trigonometry is highly recommended. The student must also be enrolled in an appropriate lecture section.

Corequisite: none

Course Delivery Method: Laboratory. Students will apply theory from the lecture to a series of selected experiments. Students will collect data in small groups and submit written reports of their results.

Instructor’s Information:

Instructor’s Name: M. L. Broyles
Office Number: J139
Office Hours: See syllabus addendum.

Contact Information: Dr. Fred Jury: Department Chair. 972-881-5883
Dr. Cameron Neal: Dean of Math and Science: 972-881-5880

Class Information: Refer to syllabus addendum
Class Meeting Times:
Class Meeting Location:

Textbook: Refer to syllabus addendum

Supplies: Refer to syllabus addendum

Measurable Student Learning Outcomes:

Upon successful completion of this course, students should be able to do the following:

1. Demonstrate knowledge of the basic units of measurement and their relationships.
2. Apply theory involving the motion of bodies.
3. Apply theory involving forces including frictional forces.
4. Apply theory involving work and energy.
5. Apply theory concerning momentum and collisions.
6. Apply the basic principles of fluid dynamics.
7. Apply the principles of heat and thermodynamics.

8. Apply the basic principles of wave motion and sound.
9. Demonstrate the collections, analysis, and reporting of data using the scientific method.

Course Requirements:

Complete the lab activities as defined in the lab addendum.

Attendance Policy:

Regular laboratory attendance is required of all students; excused absences, including illnesses, should be cleared with the instructor. Please see the Registration Guide for the last day to withdraw. Religious Holy Days: refer to the current Collin Student Handbook.

ADA Statement:

It is the policy of Collin County Community College to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal and state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to contact the ACCESS office, SCC-G200 or 972.881.5898, (V/TTD: 972.881.5950) in a timely manner to arrange for appropriate accommodations.

Academic Ethics:

The College District may initiate disciplinary proceedings against a student accused of scholastic dishonesty. Scholastic dishonesty includes, but is not limited to, statements, acts, or omissions related to applications for enrollment or the award of a degree, and/or the submission as one's own work material that is not one's own. Scholastic dishonesty may involve, but is not limited to, one or more of the following acts: cheating, plagiarism, collusion, use of annotated texts or teacher's editions, and/or falsifying academic records.

Plagiarism is the use of an author's words or ideas as if they were one's own without giving credit to the source, including, but not limited to, failure to acknowledge a direct quotation.

Cheating is the willful giving or receiving of information in an unauthorized manner during an examination, illicitly obtaining examination questions in advance, copying computer or internet files using someone else's work for assignments as if it were one's own, or any other dishonest means of attempting to fulfill the requirements of a course.

Collusion is intentionally aiding or attempting to aid another in an act of scholastic dishonesty, including but not limited to, providing a paper or project to another student; providing an inappropriate level of assistance; communicating answers to a classmate during an examination; removing tests or answer sheets from a test site, and allowing a classmate to copy answers.

Tentative Course Calendar: (*See the lecture addendum*)

NOTE: A copy of the generic/departmental syllabus is available on the college website at: <http://iws.cccd.edu/syllabus>

