

PHYSICS 1201 General Physics I

This is an information sheet only, not the course syllabus

COURSE DESCRIPTION

Algebra and trigonometry-based study of classical linear and rotational kinematics and dynamics (including work, energy, impulse, momentum, and collisions), fluids, heat thermodynamics, periodic motion and wave motion. Course is intended for students who have taken high school physics and have experience with right-angle trigonometry. (Students without high school physics are encouraged to complete Physics 1100 before enrolling this course.) **PREREQUISITES:** Math 1115 (or college equivalent) or Math-1431(or college equivalent) either with a grade of C or better **or** a qualifying score on the mathematics placement test or a qualifying A.C.T. math score. Course requires Reading Placement Test Score-Category One. (5 credit hours)

You will also be required to take three exams ON CAMPUS.

REQUIRED AND RECOMMENDED COURSE MATERIALS

Please follow the instructions below to locate information on the textbook and other materials for this course.

1. From [COD home page](#), click on **myACCESS**.
2. Click on **Search for Credit Classes**.
3. From the **Term** drop-down box select the term.
4. Choose your course from the **Subjects** drop-down menu.
5. In the **Course #** field, enter your course number.
6. In the **Section** field, enter the course section number if known.
7. From the **Course Types** drop-down menu select **Internet/Online**.
8. Scroll to the bottom of the page and click on **SUBMIT**.
9. Click on the **Section Name and Title** link.
10. Click on [Click here for prices of required textbook\(s\) and supplies](#) and course material information will be displayed.

Alternatively, you can visit the [COD Bookstore](#) website to find this information.

COURSE OUTLINE

This is not a self-paced course. Assignments will be due weekly.

The main topics covered include mechanics (kinematics, dynamics, circular motion, work, energy, momentum, rotational motion, and simple harmonic motion), waves (physical waves and sound waves), fluids (buoyancy, pressure, and fluid dynamics), and thermodynamics (temperature, heat, the kinetic theory, and the 1st and 2nd Laws of Thermodynamics).

Lectures:	After reading the text and any accompanying material, you will need to look over and answer some "lecture" questions.
Discussions:	You must respond to a least two other student's postings every week. This is also the only opportunity to earn some valuable extra credit in the course.

Labs:	You must complete and submit these on-line lab exercises each week.
Homework:	You must work out and submit these on-line problems each week.
Quizzes:	Every week you must submit your answers to these online quizzes to evaluate your progress for the week
Exams:	Exam I (Ch. 1-6), Exam II (Ch. 7-11) and Final (Ch. 1-18)

GRADES:

Points	Activity
50	Discussion
50	Lectures
100	Labs
100	Homework
150	Quizzes
200	Exam #1
200	Exam #2
150	Final Exam

Grades will be distributed as follows after all your points are added and weighted as described above:

A	1000 to 900
B	899 to 800
C	799 to 700
D	699 to 600
F	599 or lower

GENERAL: No late work is accepted; after the scoring deadlines you cannot make-up any work.

WITHDRAWAL POLICY

Students may withdraw from the class at anytime before the beginning of finals as long as they remain active in the class. **No withdrawal slips will be signed for students no longer active.** (*Students are considered "active" if they have received a score of 50% or higher on the last four post-chapter homework assignments and have attempted the last four quizzes.*)

SATISFACTORY/FAIL OPTION

The S/F grade option is NOT available to students in this course.

INCOMPLETE GRADE POLICY

If you may find that you are unable to complete the course by the end of the semester for some unavoidable reason you may request an Incomplete grade. Incomplete grades will only be given for extreme situations. Contact the instructor or refer to the course syllabus for details.