

Tentative Syllabus for Physics 1401

College Physics I

Fall 2015

Catalog Description: College Physics. Four semester hours (3 lecture, 1 lab). Mechanics and heat; including one two-hour laboratory period per week

Supplemental Description: College physics is an introductory physics course utilizing mathematics at the college algebra level and covering the topics of motion, forces, energy, momentum, mass, gravity, and other topics typically referred to as mechanics. This course is typically taken by biology and pre-med majors or other allied science areas that do not require calculus based physics.

Textbook: College Physics
J. D. Wilson and A. J. Buffa
Seventh Edition (Prentice Hall) 2010

Lab Manual: Available in the book store

Lecture Time and Place: MWF 8:00-8:50 am Room STC-122

Labs, time, location: Section 01L T 12:00 pm Room STC-107
Section 02L R 12:00 pm Room STC-107
Section 03L W 12:00 pm Room STC-107
Section 04L M 12:00 pm Room STC-107

Instructor: Dr. A. R. Chourasia
Office: STC-232 (STC-113)
Phone: 886-5485; Fax: 886-5480 (886-5491)
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Office Hours: 2 – 4 pm OR by appointment

Goals of the Course: Students will gain qualitative knowledge of classical mechanics, will be also able to work standard quantitative physics problems on the topics of the course. Students will verify, and explore many of these concepts in the laboratory. Laboratory instruction will consist of taking measurements, interacting with computer simulations, analyzing data and writing brief reports describing the experiments.

Grading Procedure and Scale:

Lab Grade: The laboratory grade counts 25% of the total class grade. The lab grading procedure will be discussed in the lab.
You must pass the lab to pass this course

Lecture Grade: The lecture portion of the grade is determined from attendance, homework, exams, quizzes, and the final exam as outlined below:

- Attendance 5 %
- Homework 10 %
(Late Homework penalty 10% each class day)
- Quiz after each chapter
All quizzes combined 15 %
- Three Exams 10 % each
- Final exam (comprehensive) 15 %

Enrollment in PHYS 201-001 is strongly encouraged

90 and above:	A
80 and above but less than 90:	B
70 and above but less than 80:	C
60 and above but less than 70:	D
Less than 60:	F

Missing an exam without first making arrangements for make-up with the instructor (excused absence cleared before the exam) will automatically result in the failing grade. Missing other class periods will result in penalties as described under the attendance section below.

Any decision to curve the grade will be taken at the end of the semester.
Five unexcused absences will automatically result in a failing grade.

Lecture and Test (Tentative)

Chapter 1	Measurement and Problem Solving
Chapter 2	Kinematics: Description of Motion
	TEST 1
Chapter 3	Motion in Two Dimensions
Chapter 4	Force and Motion
	TEST 2
Chapter 5	Work and Energy
Chapter 6	Linear Momentum and Collisions
	TEST 3
Chapter 7	Circular Motion and Gravitation
Chapter 8	Rotational Motion and Equilibrium

Final Exam is on Monday December 14 at 8:00 am

Attendance and Tardiness: Students are expected to be on time and present for all class meetings. Excused absences can be arranged prior to the class period being missed for appropriate activities as determined by the instructor. If an emergency results in an absence, the student should contact the instructor as soon as possible informing the instructor of the emergency and inquiring about ways to make up the missed class. The instructor will make judgements on how to handle the situation. Possible reasons for an excused absence are listed in the “Student’s Guidebook” under class attendance policy.

Classroom Behavior: Disorderly conduct which interferes with the normal classroom atmosphere will not be tolerated. The classroom instructor is the judge of such behavior and may instruct a disorderly student to leave the room with an unexcused absence or in more serious situations a student may be removed from the class with a failing grade.

Cheating and other Breaches of Academic Conduct: Academic cheating, plagiarism, and other forms of academic misconduct may result in removal of the student from class with a failing grade or may in extreme cases result in suspension or expulsion from the University as described in the “Code of Student Conduct” section of the “Student’s Guidebook”.

Students with Disabilities: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

**Office of Student Disability Resources and Services
Texas A&M University-Commerce**
**Gee Library
Room 132**
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
StudentDisabilityServices@tamu-commerce.edu

Evaluation of Instruction: Students will be given opportunities to evaluate instruction near the end of the semester. The physics department utilizes a scantron graded questionnaire with statements regarding various elements of instruction and in addition utilizes an open ended form where students can make comments on all elements of the classroom. These comments are given to the instructor and department head soon after the grades are recorded. If students have concerns about the classroom experience during the

semester they should inform the instructor of those concerns and failing a satisfactory response may, as a last resort, contact the physics department head with those concerns.