

# Tentative Syllabus for Physics 1401

## College Physics I

### Summer 2014

- 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;  
ISBN: 978-0-321-60183-4
- Lab Manual:** Lab manual is required for the lab
- Lecture Time and Place:** MTWR      10:00-11:50 PM      Room STC-122
- Labs, time, location:** Section 01L    MTWR 8:00 AM      Room STC-107  
Section 02L    MTWR 12:00 PM      Room STC-107
- Instructor:** Dr. A. R. Chourasia  
Office:          STC-232/STC-113  
Phone:          903-886-5491; Fax: 903-886-5480  
e-mail:          [Anil.Chourasia@tamuc.edu](mailto:Anil.Chourasia@tamuc.edu)
- 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 homework, exams, quizzes, and the final exam as outlined below:

- Homework and attendance **15 %**  
(Late Homework penalty 10% each class day)
- Two Exams **20 % each**
- Final exam (comprehensive) **20 %**

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 consume 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
Chapter 3	Motion in Two Dimensions
	TEST 1
Chapter 4	Force and Motion
Chapter 5	Work and Energy
Chapter 6	Linear Momentum and Collisions
	TEST 2
Chapter 7	Circular Motion and Gravity
Chapter 8	Rotational Motion and Equilibrium

**Final Exam is on Thursday July 3 at 10:00 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**  
**Halladay Student Services Building**  
**Room 303 A/D**  
**Phone (903) 886-5150 or (903) 886-5835**  
**Fax (903) 468-8148**  
[StudentDisabilityServices@tamuc.edu](mailto:StudentDisabilityServices@tamuc.edu)