



**PRAIRIE VIEW A&M UNIVERSITY  
DEPARTMENT OF PHYSICS**

**PHYS-2113-P01: GENERAL PHYSICS I  
CRN 20326  
COURSE SYLLABUS, SPRING 2012**

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**Lecture Sessions:** MW, 2:00 – 3:20 PM, Room NSCI-A103

**Office Hours:** MWF, 1:00 – 1:50 PM

**Text Book:** **Essential College Physics** by Rex and Wolfson  
ISBN: 978-0-321-61116-1 (McGraw-Hill)

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**COURSE DESCRIPTION:**

This is an algebra-based introductory course in general physics with topics primarily from mechanics, such as kinematics in one and two dimensions, Newton's laws of motion, work-energy, uniform circular motion, gravity, rotational kinematics and dynamics, simple harmonic motion, waves, and sound.

**COURSE OBJECTIVES:**

The objectives of this course are for students to develop a conceptual understanding of physics principles along with their reasoning and problem solving abilities.

## PERFORMANCE EVALUATION and GRADING:

- **Lectures:** Attendance of lectures is required, and students are expected to arrive on time, stay for the entire class period, and actively participate. (See the University attendance policy below.) The lecture does not replace reading the materials. The lecture is intended to expand, explain, and offer a different perspective on the material in the textbook.
- **Worksheets:** In-class or overnight worksheets will be assigned often. The worksheets are designed for the student to practice using concepts from recent lectures and assignments, and discover where more study is needed.
- **Homework:** Online homework problems will be assigned on a timely basis. It is the responsibility of the student, individually or within a group, to complete each homework assignment by the due date. The instructor is available during office hours to assist students, and tutors are provided by the Physics Department. It is essential that the student understands the solution to problems if he/she is to succeed in this course; failure to understand homework problems will likely result in a disastrous outcome on exams.
- **Exams:** Four unit exams and a final exam are scheduled. Only calculators and no other electronic equipment are permitted during the exams. Phones are to be turned off.
- **Grading:** Worksheets and online homeworks each contribute 10%, attendance and a homework journal each contribute 5%, the unit exams contribute 50%, and the final exam contributes 20% toward the final numerical grade. *Scores will not be curved.* A cumulative performance of 35% is required for a “D”, 50% for a “C”, 65% for a “B”, and 80% for an “A” as the final grade in the course.
- **Late Homework or Missed Tests:** Late homework or homework journal will not be accepted unless the student demonstrates exceptional circumstances. A unit exam may be excused or made-up at the instructor’s discretion and only in the case that the student has a valid excuse. Inform the instructor in advance of an exam if there is a valid schedule conflict to schedule an acceptable time. In the event that an emergency occurs that causes an exam to be missed, it is expected that the student provide written evidence and schedule a make-up exam for as soon as possible following the emergency. There may be no opportunity to take the final exam after the scheduled time.

## GRADE OF “I”:

A grade of “I” may be given in cases of documented emergencies or tragedies that prohibit a student from completing a course. In order to receive a grade of “I”, approval must be granted by the Department Head and College Dean prior to the final examination time.

## Supplementary Material and Help:

1. Tutorial sessions are available in room NSCI-324 through the Physics Department for individual problem discussions.
2. Additional reference textbooks are **Physics, 6<sup>th</sup> Edition** by Cutnell and Johnson, ISBN: 0471-15183-1 (John Wiley & Sons) and **Essentials of College Physics** by Serway and Vuille ISBN: 0-495-10619-4 (Thomson/Brooks-Cole)

## CLASS SCHEDULE

(Schedule Subject to Change)

<u>Week</u>	<u>Topic</u>	<u>Note</u>
<b>1 (Jan 17 – Jan 20)</b>	<b>Ch. 1: Measurements in Physics</b>	Late Registration & Drop/Add Ends on Jan 21 for Undergrad. & on Jan 21 for Graduate Students
<b>2 (Jan 23 – 27)</b>	<b>Ch. 2: Motion in One Dimension</b>	<b>Jan 26: General Student Assembly</b>
<b>3 (Jan 30 – Feb 3)</b>	<b>Ch. 3: Motion in Two-Dimensions</b>	Feb 1: Last day to withdraw from course without academic record
<b>4 (Feb 6 – 10)</b>	<b>Ch. 3: (continued)</b>	<b>Exam #1 (on Ch. 1–3)</b>
<b>5 (Feb 13 – 17)</b>	<b>Ch. 4: Force and Newton's Laws of Motion</b>	
<b>6 (Feb 20 – 24)</b>	<b>Ch. 4: (continued)</b>	
<b>7 (Feb 27 – Mar 2)</b>	<b>Ch. 5: Work and Energy</b>	<b>Exam #2 (on Ch. 4)</b>
<b>8 (Mar 5– 9)</b>	<b>Ch. 5: (continued)</b>	Mar 10–12: Mid-Term Examination Period
<b>9 (Mar 12 – 16)</b>	<b>NO CLASSES</b>	<b>SPRING BREAK</b>
<b>10 (Mar 19 – 23)</b>	<b>Ch. 9: Gravitation</b>	Mar 23: Deadline to apply for Summer and Fall 2012 graduation
<b>11 (Mar 26 – Mar 30)</b>	<b>Ch. 6: Momentum and Collisions</b>	<b>Exam #3 (on Ch. 5, 9)</b> <b>Mar 28: Honors Convocation</b>
<b>12 (Apr 2 – 6)</b>	<b>Ch. 8: Rotational Motion</b>	Apr 2: Last day to withdraw from course with "W" <b>Apr 6: Good Friday, No Classes</b>
<b>13 (Apr 9 – 13)</b>	<b>Ch. 8: (continued)</b>	
<b>14 (Apr 16 – 20)</b>	<b>Ch. 8: (continued)</b>	<b>Exam #4 (on Ch. 6, 8)</b>
<b>15 (Apr 23 – 27)</b>	<b>Ch. 11: Waves and Sound</b>	<b>Exam #5 (on Ch. 13–14)</b>
<b>16 (Apr 30 – May 4)</b>	<b>MT – Review Days; WR – Study Days</b>	<b>Note: <u>Graduating seniors</u> must schedule an early exam to be taken this week.</b> Final Exams Start Friday, May 4
<b>16 (May 7 – 9)</b>	<b>Final Exam: Monday, May 7, 1:30 AM –3:30 PM</b>	Final Exams Continued

## HOMWORK WEBSITE INSTRUCTIONS

**PHYS 2113-P01 (Spring 2012)**

**YOUR COURSE ID# is 65683**

Registration is a two step process. First register on the HW server, then for your course.

### **To Register on the Homework Server**

1. Go to <https://quest.cns.utexas.edu/student>
2. Click the link which says, "Get Started"
3. Click the link which says, "*I need a UT EID*"
4. On the left click the link, "*Get a UT EID*"
5. Click Continue
6. Select **no** for **all** the questions asked and select continue
7. Answer the questions, only questions with an asterisk are required, please enter a valid email address. Click continue
8. **IF** it says your EID may already exist, **DO NOT CLAIM IT!** Click, **I DONT SEE MY UT EID.**
9. Answer the reset questions, click continue
10. Create a password with hints, select continue
11. Confirm information and select, **CREATE MY UTEID.**
12. Record your UTEID

### **To Register for your Course**

1. Log on to [://quest.cns.utexas.edu/student](https://quest.cns.utexas.edu/student) using your new UTEID and password
2. click the link, **Register** as a student
3. Enter the 5 digit course ID # 65683.
4. Enter your last name, first name
5. Enter your UTEID (**NOT YOUR SSN!!**), click OK
6. Click OK **ONCE** and wait until confirmation of registration
7. Now when you log in, you will see your course ID# and your instructor's name.

# University Rules and Procedures

## **Disability statement (See Student Handbook):**

Students with disabilities, including learning disabilities, who wish to request accommodations in class, should register with the Services for Students with Disabilities (SSD) at (936) 857-2693/2694 early in the semester so that appropriate arrangements may be made. In accordance with federal laws, a student requesting special accommodations must provide documentation of their disability to the SSD coordinator.

## **Academic misconduct (See Student Handbook):**

You are expected to practice academic honesty in every aspect of this course and all other courses. Make sure you are familiar with your Student Handbook, especially the section on academic misconduct. Students who engage in academic misconduct are subject to university disciplinary procedures.

## **Forms of academic dishonesty:**

1. Cheating: deception in which a student misrepresents that he/she has mastered information on an academic exercise that he/she has not mastered; giving or receiving aid unauthorized by the instructor on assignments or examinations.
2. Academic misconduct: tampering with grades or taking part in obtaining or distributing any part of a scheduled test.
3. Fabrication: use of invented information or falsified research.
4. Plagiarism: unacknowledged quotation and/or paraphrase of someone else's words, ideas, or data as one's own in work submitted for credit. Failure to identify information or essays from the Internet and submitting them as one's own work also constitutes plagiarism.

## **Nonacademic misconduct (See Student Handbook)**

The university respects the rights of instructors to teach and students to learn. Maintenance of these rights requires campus conditions that do not impede their exercise. Campus behavior that interferes with either (1) the instructor's ability to conduct the class, (2) the inability of other students to profit from the instructional program, or (3) campus behavior that interferes with the rights of others will not be tolerated. An individual engaging in such disruptive behavior may be subject to disciplinary action. Such incidents will be adjudicated by the Dean of Students under nonacademic procedures.

## **Sexual misconduct (See Student Handbook):**

Sexual harassment of students and employers at Prairie View A&M University is unacceptable and will not be tolerated. Any member of the university community violating this policy will be subject to disciplinary action.

## **Attendance Policy:**

Prairie View A&M University requires regular class attendance. Excessive absences will result in lowered grades. Excessive absenteeism, whether excused or unexcused, may result in a student's course grade being reduced or in assignment of a grade of "F". Absences are accumulated beginning with the first day of class.

## **Student Academic Appeals Process**

Authority and responsibility for assigning grades to students rests with the faculty. However, in those instances where students believe that miscommunication, errors, or unfairness of any kind may have adversely affected the instructor's assessment of their academic performance, the student has a right to appeal by the procedure listed in the Undergraduate Catalog and by doing so within thirty days of receiving the grade or experiencing any other problematic academic event that prompted the complaint.