

SYLLABUS

Class Hours	MTWF 12 p.m. – 12:50 p.m. (Lecture)	Room : Phys 70
	T 10 a.m. – 11:50 p.m. (Lab)	Room : Phys 70
Class No	55006	
Instructor	Sharon Wu	
Phone	638-3641 ex-3497	
Office Hours	Thursday 10:00 am – 11:50 am (FEM 1D) Friday 10:00 am – 10:50 am (Math Center) or By appointment	
Office	FEM 1D	
E-mail	sharon.wu@reedleycollege.edu	

Course Objectives:

In the process of completing this course, students will:

- Perform some of the simpler calculations in the areas of electricity, magnetism, light, and atomic and nuclear physics.
- Use the appropriate language of physics and mathematics to solve problems in the areas of electricity, magnetism, light, and atomic and nuclear physics.
- Perform simple physics experiments in the areas of electricity, magnetism, light, and atomic and nuclear physics ;to acquire understanding of more difficult concepts in general physics.
- Understand and apply basic physics concepts presented in lectures to the completion of problem assignments and lab reports.
- Employ the scientific method in experiments in physics which yield results consistent with information presented in lectures.

Learning Outcomes:

Upon completion of this course, students will be able to:

- Recognize the systematic nature of the discipline of physics in the areas of electricity, magnetism, light, and atomic and nuclear physics and develop new ideas using previously held knowledge as the foundation.
- Apply sound reasoning skills, developed through the problem solving process of physics, to responsible decision making.
- Apply knowledge in the areas of electricity, magnetism, light, and atomic and nuclear physics in other science related courses.

Course Outline:

- Electrostatics
- Electric Field
- Electric Potential
- Capacitance
- Electric Circuits
- Magnetism
- Electromagnetic Induction
- Electromagnetic waves
- Optics
- Modern Physics

Course Prerequisite:

PHYS 2A (C grade or better).

Textbook:

Title: Physics 8e
Authors: John D. Cutnell & Kenneth W. Johnson
Publisher: John Wiley & Sons, Inc.

Blackboard

Blackboard is used to post course information, assignments, and announcements.

To log-in Reedley College Blackboard:

User name: your student ID

Password: (* Be sure to change your password after you login)

WileyPLUS

WileyPlus is an online learning and assessment system. The section name is **RC – PHYS 2B – 55006**.

1. Go to www.wileyplus.com, and click on Register for a New Class for Students, as shown on the right.
2. Find Reedley College
3. Click on the + sign to expand course GENERAL PHYSICS I/II
4. Click on **RC - PHYS 2B - 55006**



Homework Assignments:

Homework is assigned for each chapter on WileyPlus.

Laboratory:

This class has a lab that is mandatory. There are data sheets that you will need to complete as part of your lab activity that will be due at the end of the lab session. You are required to follow a number of safety precautions in the laboratory. You must read and sign the safety agreement before beginning of the first lab.

Tests:

There will be four tests and one final exam. The tests and final exam will have conceptual questions that are multiple choices and detailed physics problems that need to be solved. Early tests can be arranged with a very good reason. A more **difficult** late test can only be arranged if you have an excuse verified by an impartial party (i.e., a doctor or a court note).

Grading:

30% of the final grade points are from the average score of homework assignment

10% of the final grade points are from the average score of laboratory work

60% of the final grade points are from the average score of midterms and final.

Final grade is assigned using following scale:

90-100 %	A
80- 89 %	B
70- 79 %	C
60- 69 %	D
< 60 %	F

- ❖ If you have perfect attendance and your grade is within 1 point (or 1%) of the next higher letter grade, the instructor will award you the next higher letter grade.

Attendance:

Attendance will be taken at beginning of each class. Students are expected to attend all class meetings, be on time, and be in class the entire class session. Students, who leave the class before the end of class, will be counted as tardy. Two tardiness count as one absence. Your classmates and I would greatly appreciate that you take care of your personal needs (i.e., using the restroom, getting a drink...etc.) before the class begins.

Students will be dropped from the class if they fail to attend the first class session of the semester.

During the semester up to final drop date, any student who missed more than two weeks of class meetings will be dropped from this class (**8** classes).

Canceled Class Notification:

Click on “Canceled Class Meetings” on Reedley College webpage (www.reedleycollege.edu) for class cancellations.

Student Conduct:

Students are expected to conduct themselves in a responsible manner in the classroom. Specific rules and regulations have been established in Board Policy 5410. Failure to adhere to the accepted standards will result in disciplinary action. Campus Policies on Student Conduct is described in Reedley College Class Schedule.

Accommodations for students with disabilities:

If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.

Plagiarism and Cheating Policy:

Cheating and plagiarism is prohibited in the class. Incidents of cheating and plagiarism will result a failing grade on the particular examination or assignment in question.

Important Dates:

Class begin	Monday	01/10/2011
Last day to register	Friday	01/28/2011
Last day to change to/from a Pass/No-Pass grading basis	Tuesday	02/11/2011
Last date to drop	Friday	03/11/2011
No classes:		
Martin Luther King, Jr. Day observed	Monday	01/17/2011
Lincoln Holiday	Friday	02/18/2011
Washington Day observed	Monday	02/21/2011
Spring Recess	Mon – Fri	04/18/2011 – 04/22/2011
Final Exam	Wednesday	05/18/2011 12 pm – 1:50 pm