

SYLLABUS

Class No	52047			
Class Hours	M	12 pm – 12:50 pm	Lec	Room: PHY 76
	T	12 pm – 1:50 pm	Lab	Room: PHY 70
	W	12 pm – 12:50 pm	Lec	Room: PHY 76
	F	12 pm – 1:50 pm	Lec	Room: PHY 70
Instructor	Sharon Wu			
Phone	638-3641 ex-3497			
Office Hours	Monday 11 – 11:50 am (room: FEM 1D)			
	Friday 8 – 09:50 am (room: PHY 76)			
	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.
- 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:

- Apply algebra and trigonometry to solve physical problems in the A. following topics:
 - Electrostatics
 - Electric Fields
 - Electric Potential
 - Capacitance
 - Electric Circuits
 - Magnetism
 - Electromagnetic Induction
 - Electromagnetic waves
 - Optics
 - Modern Physics

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 10e
Authors: John D. Cutnell & Kenneth W. Johnson
Publisher: John Wiley & Sons, Inc.

Learning Management System: CANVAS

Canvas is used to post announcements, course information, programming assignments, and grade. You will submit your programming assignments on Canvas.

To log-in Reedley College CANVAS:

Username: Your 7-digit student ID number.

Password: If you have not previously changed your password, it is:

First name initial (upper case) + last name initial (lowercase) + date of Birth (mmddyy)

Example: John Smith born on July 9th of 1988 Password =Js070988

WileyPLUS

We continue to use WileyPlus for homework assessment. Go to www.wileyplus.com, and find the section name "PHYS 2B RC 52047" for spring 2018, and log into your account using the username and password from previous semester.

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:

25% of the final grade points are from the average score of homework assignment

5% of the final grade points are from classwork.

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

❖ **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 (Also see Attendance Policy under Academic Regulations in Class Schedule):

Attendance will be taken at beginning of each class. 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 (cumulative) will be dropped from this class (12 hours of classes).

Student Conduct (Also see **Student conduct under Campus Policies in Class Schedule**):

Students are expected to conduct themselves in a responsible manner in the classroom. Specific rules and regulations have been established in Board Policy 5410. A copy of this policy is available in the college library, the Admissions Office, the Vice President of Student Services, the Vice President of Instruction's Office, and in the Student Activities Office. Failure to adhere to the accepted standards will result in disciplinary action.

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 (See **Cheating and Plagiarism under Campus Policies**):

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	1/08/2018
Last day to register	Friday	1/26/2018
Last day to drop this class to avoid a "W"	Friday	1/26/2018
Last date to drop this class	Friday	3/09/2018
No classes, campus is closed		
Martin Luther King Jr. Day	Monday	1/15/2018
Lincoln Day	Friday	2/16/2018
Washington Day	Monday	2/19/2018
Spring Recess	M-F	3/26 – 3/30
Final Exam	Monday	5/14/2018 12:00 – 1:50 pm Phy70