

Physics 51 (Electricity and Magnetism)
MTWR 9:00 – 10:35, Science 311
Summer 2015 (June 1 – July 9, 2015)

Instructor: Kiumars Parvin, Professor of Physics, Email: kiumars.parvin@sjsu.edu, , Phone: 408-924-5272.

Office hours: MTWR 10:45- 11:15, Sci. 322; other times by appointment.

Course Prerequisite: Physics 50 (Mechanics) and Math 31 both with grades C- or higher.

Laboratory: Students are required to sign up for one laboratory session, and attend that lab session regularly. Lab grade will be counted toward the semester grade.

Textbook: University Physics, Volume Two, 13th Edition, Young and Freedman, Addison-Wesley. Chapters to be covered: 21 – 31.

Homework: Students are required to register online to access the homework website, and do homework online.

If you buy a new book, it comes with a package called Mastering Physics, Student Access Kit. Follow the instruction inside the package for registration. For this you need:

- Your personal access code, which is beneath the pull-tab inside your package.
- The general course ID, which is **SUM2015MP51PARVIN** (all uppercase).
- A valid email address.

If you did not buy a new book, here are two options to get an access code and, then follow above procedure.

You may return your book and purchase a new book, which comes with Mastering Physics package.

You can purchase an access code online with an e-text (lasts 24 months) or without an e-text (lasts 24 months). For this option follow these steps.

Go to the site <http://www.masteringphysics.com>.

Click on the picture of the front page of our textbook.

Then choose whether or not you would like the e-textbook.

Once you have chosen this, register and pay.

*Note, you may already have access to Mastering Physics. If this is the case, you just need to enroll into the course **SUM2015MP51PARVIN**. Also, you may already have a Pearson account. If you are unsure, when you go to Student Register click *forget password*.

Examinations: There will be two quizzes, one midterm and a final comprehensive examination. The dates of these tests are given in the course schedule below. All exams will be closed book closed note except for final exam in which a formula sheet prepared by instructor will be provided. Each exam will have problems and multiple-choice questions or True/False questions. All exams and quizzes will have questions on concepts, derivation of equations and formulas, and problems. It is strongly recommended that students read the relevant chapters of the book; go through problems worked-out in the book; and review the Summary and Key Terms listed at the end of each chapter for all quizzes and examinations.

Grading: The following format is used for calculating the semester numerical grade with the condition that a **minimum grade of 55/100 is required for homework to pass the class.**

Laboratory	Homework	Quiz 1	Quiz 2	Midterm	Final (comprehensive)
15%	10% Min grade 55/100 is required.	12%	13%	25%	25%

Letter grades are assigned according to the table below at the end of the semester.

Minimum Score	93	89	85	81	77	73	69	65	61	58	55	<55
Course Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F

Tentative Lecture, Homework, Quizzes, Midterm and Final exam Schedule: See the table below.

	Mon	Tues	Wed	Thurs
June	1: Ch. 21 (Electric field)	2: Ch. 21 (HW21 A)	3: Ch. 21 (HW21 B), Ch. 22 (Gauss' Law)	4: Ch. 22 (HW22-Sunday)
	8: Ch. 23 (Electric Potential)	9: Ch. 23 (HW23)	10: Quiz 1 (Ch. 21-23) Ch. 24 (Capacitance)	11: Ch. 24 (HW24-Sunday)
	15: Ch. 25 (Current & emf) (HW25)	16: Ch.26 (DC Circuits)	17: Ch. 26 (HW26)	18: Ch.27 (Magnetic Field)
	22: Midterm (Ch. 21-27)	23: Ch. 27	24: Ch. 27 (HW27)	25: Ch. 28 (B Field Sources)
July	29: Ch. 28	June 30: Ch. 28 (HW28), Ch.29 (E&M Induction)	July 1: Ch. 29	2: Ch. 29 (HW 29 –Sunday)
	6: Quiz 2 (Ch. 27-29) Ch. 30 (Inductance)	7: Ch. 30 (HW30)	8: Ch. 31 (AC Circuits)	9: Final Exam

Academic integrity

Your commitment as a student to learning is evidenced by your enrollment at San Jose State University. The [University's Academic Integrity policy](http://www.sjsu.edu/senate/S07-2.htm), located at <http://www.sjsu.edu/senate/S07-2.htm>, requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The [Student Conduct and Ethical Development website](http://www.sa.sjsu.edu/judicial_affairs/index.html) is available at http://www.sa.sjsu.edu/judicial_affairs/index.html. Instances of academic dishonesty will not be tolerated. Cheating on exams or plagiarism (presenting the work of another as your own, or the use of another person's ideas without giving proper credit) will result in a failing grade and sanctions by the University. For this class, all assignments are to be completed by the individual student unless otherwise specified. If you would like to include your assignment or any material you have submitted, or plan to submit for another class, please note that SJSU's Academic Policy S07-2 requires approval of instructors.

Campus Policy in Compliance with the American Disabilities Act

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 requires that students with disabilities requesting accommodations must register with the Accessible Education Center (AEC) at <http://www.sjsu.edu/aec/> to establish a record of their disability.