SJSU Physics and Astronomy Department Spring 2018

**PHYS 51**

**Instructor:** Farzad Taiedi

**Time and location:**
- Section 03 MW 5:30-6:45 pm (SCI 258)
- Section 04 MWF 8:30-9:20 am (SCI 253)
- Section 06 TTR 5:30-6:45 pm (SCI 258)

**My Website:** [http://www.sites.google.com/site/sisuphysicstaidy/](http://www.sites.google.com/site/sisuphysicstaidy/)

**Office Hours:**
- TR 3:30– 5:00 pm (SCI 240)
- F 9:30- 11:30 am (SCI 240)
  and by appointment (SCI 240)

**Email and Phone:** farzad.taiedi@sjsu.edu 408 924 5240

**Prerequisites:** Physics 50 and Math 31 both with grade C or better.

**Course Description:** Physics 51 is a calculus-based introduction to electricity and magnetism. The course is a prerequisite for most upper-division courses in engineering majors.

**Text:** University Physics, 14th Edition, Young and Freedman, Addison-Wesley, 2015. We have custom editions of this book made specifically for Physics 49, 50, 51 and 52. Not all sections will be covered.

**Assignments:** Students are required to register online to access the homework website: [http://www.masteringphysics.com/](http://www.masteringphysics.com/), and do homework online. I encourage you to form small groups for discussing the materials presented in the class, in the book and the homework. Try to explain to each other; explaining to others is the best way to clarify your understanding. However, do not split the work load; the final homework, solutions and their entries should be done individually. Make sure you don’t fall behind the lectures by attempting all the homework problems and submitting it before the due date. It is strongly recommended that students go through the following steps before attempting the homework problems:

- Study the lecture notes and the relevant chapter of the textbook.
- Study problems that are worked out in the lecture and those in the textbook, noting the goal and strategy used.

You will have an access code in a package in your book if you bought it new. For a used book you will have to purchase access to the online homework separately at about $50, go to the website to explore this option. Follow the instructions inside the package called *MasteringPhysics: Student Access Kit* for online registration. For this you need:

- Your personal access code, which is beneath the pull-tab inside your package.
- A valid email address.
• The general course ID, which can be obtained from instructor and your student ID.

**Class Activity and weekly Quizzes:** Participating in study group discussions and weekly problem practice sessions is strongly recommended. There will be quizzes based on these activities that will carry 15% of your final grade. Makeup tests are allowed only if a student has a written medical excuse or a serious reason for missing a test. The request to reschedule an exam must be done before or on the day of the exam. However, quiz makeups are not possible.

**Examinations:** There will be two midterms and a final comprehensive examination. Each exam is cumulative, meaning all the chapters we have covered in the class up to that point. The questions will be based on class activities and homework assignments. All exams will be closed book, closed note, except for a formula sheet prepared and provided by me. Exams will have 2-6 problems and can include multiple-choice questions. A guide on how to present your solution to a problem in comprehensive exams as well as hints on solutions to selected homework problems can be found in my website. University calendar, tutorial schedules, a short version of lecture slides, past exam questions will be posted on this site. **Monitoring this site regularly is strongly recommended.**

**Lab:** Each student must enroll in one section of the Physics 51 Laboratory. The lab grade will be based on your lab reports and lab quizzes. You MUST pass the Laboratory to pass this course even though the lab grade only counts 10% of the total grade here.

**Grading:** **Homework 10%, quizzes 15%, Lab 10%, mid-term one 20%, midterm two 15%, final 30%**. Final Letter grades will be assigned according to the following percentage of maximum points earned as long as you pass the Laboratory section as well.

- **A, A, A** > 85 – 100%
- **B, B, B** > 70 - 85%
- **C, C, C** > 55 – 70%
- **D, D, D** > 40 – 55%
- **F** below 40%

**Academic Integrity Statement:** From the Office of Student Conduct and Ethical Development; "your own commitment to learning, as evidenced by your enrollment at San Jose State University's Academic Integrity Policy, 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 policy on academic integrity can be found at [http://sa.sjsu.edu/studentconduct](http://sa.sjsu.edu/studentconduct). **Please check out Honor Code, Disabilities, College and Departmental Policies mentioned in the Green Sheet on my website.**

**Honor Code:** "I have read the Honor Code and agree with its provisions. My continued enrollment in this course constitutes full acceptance of this code. I will NOT:

1. Take an exam in place of someone else, or have someone else take an exam in my place
2. Give information or receive information from another person during an exam
3. Use more reference material during an exam than is allowed by the instructor
4. Obtain a copy of an exam prior to the time it is given
5. Alter an exam after it has been graded and then return it to the instructor for re-grading
6. Leave the exam room without returning the exam to the instructor.”
Continued on my website.

Disabilities: If you need course adaptations or accommodations because of a disability, or if you need 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 register with the Disabilities Resource Center (DRC) to establish a record of their disability.

College & Departmental Policies: You are responsible for understanding the policies and procedures about add/drops, academic renewal, withdrawals, incompletes, classroom behavior and other policies described in the catalog. Please read your catalog thoroughly.

Attendance and Participation: Students are expected to attend all meetings for the courses in which they are enrolled as they are responsible for material discussed therein, and active participation is frequently essential to ensure maximum benefit to all class members. In some cases, attendance is fundamental to course objectives; for example, students may be required to interact with others in the class. Attendance is the responsibility of the student.

Dropping and Adding: Refer to the current semester’s Catalog Policies section at http://info.sjsu.edu/static/catalog/policies.html. Add/drop deadlines can be found on the current academic calendar web page located at http://www.sjsu.edu/academic_programs/calendars/academic_calendar/. The Late Drop Policy is available at http://www.sjsu.edu/aars/policies/latedrops/policy/. Information about the latest changes and news is available at the Advising Hub at http://www.sjsu.edu/advising/ Students need to go to monikakress.org and follow the directions on the website to request an add code.