Faculty Web Page
The green sheet of this lab may be found on http://physics.sjsu.edu/student_resources/index_syl.html

Course Description
Physics is the study of the natural laws that govern matter and energy. Every degree program in the "STEM" disciplines (science, technology, engineering, math) requires 8-12 units of physics. This is true of all accredited science and engineering degree programs, including here at SJSU. Physics 50 is a pre-requisite for almost all of your future courses in the College of Engineering and the College of Science. This course is a calculus-based introduction to classical mechanics, which is the branch of physics that covers the motion of objects (kinematics and dynamics), gravity, work and energy, momentum, rotational motion and harmonic (wave) motion.

In the lab portion of the course, we will use equipment to collect data to investigate the laws of physics pertinent to this course. Every student must register for the lab and earn a grade of at least 70% in lab during the same semester as the lecture course. It is required that you take and pass both the lab and the lecture in the same semester – if you fail either the lecture or the lab you will have to repeat the entire course (both lecture and lab) regardless of your grade in the lecture or lab.

Course Goals and Student Learning Objectives
Upon successful completion of this course, you will be able to:
A. Conduct yourself appropriately in a laboratory setting
Your lecture instructor will determine whether you are in good standing in the course (passing exams, performing adequately on homework, etc). If you miss a second lab because of an “extenuating circumstance”, your second missed lab counts as a zero among your other lab scores. If you are NOT in good standing, you should consider officially withdrawing from the course (“late drop”). If you miss a second lab but you ARE in good standing, you may still have a chance of getting C or better in the class. Missing a third lab is a non-negotiable withdrawal from the class and you may wish to attempt officially withdrawing.

If you miss NO labs during the semester, then you get extra credit – great job! Your lab grade will be your total points divided by N-1 labs that you did!

**Arriving late to lab is unacceptable.** Students who arrive late distract the instructor and are rude to their fellow students who then have to work with a clueless lab partner, or take time away from their education to get the latecomer caught up. The general rule is that a student who arrives late is officially absent from lab. Lab instructors have final say over when “lateness” officially becomes an “absence.” If you’re late, you do not get extra time for your pre-lab or proficiency quizzes, or lab activity. The same is true for leaving early without your instructor’s permission. Also, if a student leaves the lab for a prolonged period of time, the instructor may count that as an absence or count it against your participation grade.

**Lab protocol**

We do not work with any dangerous equipment or chemicals in the Physics 50 lab; however, we do want to help you develop professional lab etiquette that will serve you well when you DO someday work in a lab or jobsite where there are hazards. Therefore, you will be graded on how you conduct yourself in the lab, and we refer to this as “participation.” Participation factors into your lab grade both as its own standalone element in the grading policy (see next section) as well as on your weekly assignments that are turned in. Engaging in any of these or other “bad lab behaviors” will negatively affect your overall lab grade:

- Eating or drinking in lab (you may have a water bottle or candy bar but consume these in the hallway)
- Texting or using your laptop or mobile device in class, or more generally, doing things not related to today’s lab
- Leaving your backpack out on the lab bench or on the floor where people can trip over it (put your stuff on the benchtops by the windows)
- Being late, leaving early, or leaving the lab for prolonged periods
- Not turning in your assignment at the end of lab (lab goes for 2 hours 45 minutes)
- Leaving your workstation in disarray – you should leave it ready for the next lab section to come in and get started even if it was a mess when you came in.
- Engaging in any behavior that is distracting/disrespectful to students or to the instructor or that otherwise detracts from the learning environment.
- Making your lab partner do everything, or not allowing your lab partner to help with the activity.

Every student must pass the lab during the same semester as the lecture course. It is required that you take and pass both the lab and the lecture in the same semester – if you fail either the lecture or the lab you will have to repeat the entire course (both lecture and lab).
renewal, etc. This information can be accessed at [http://www.sjsu.edu/aars](http://www.sjsu.edu/aars). There is no reason that anyone should be adding the course after the first day of class. Anyone who adds late and misses their first lab may count that as the one “free absence” of their lab (see attendance policy).

**University Policies**

**Academic integrity**

Students should know the University’s Academic Integrity policy. Your own commitment to learning, as evidenced by your enrollment at San Jose State University and the University’s integrity policy, require 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. For details, please see the website for [Student Conduct and Ethical Development](http://www.sjsu.edu/aars).

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. If you would like to include in your assignment any material you have submitted, or plan to submit for another class, please note that SJSU’s Academic Policy F06-1 requires approval of instructors.

Common examples of academic integrity violations in this course include the following: 1) googling answers or other information with a smartphone during exams, 2) looking up the solutions to problems and then just plugging-and-chugging in the answers without the trial-and-error that is intrinsic to learning how to solve problems. These violations are very easy to spot (and to prove) and result in an F for the course, which cannot be repeated for grade forgiveness. Ultimately the question is this: are you getting points without being able to solve that problem on your own later? If the answer is yes, it’s considered cheating.

**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 AEC (Accessible Education Center) to establish a record of their disability.