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The TA offices are in the Lab, Room 38-500.

Course Admin: Vivian Mizuno, Room 10-097, Extension 3-4883, mizuno@mit.edu

Lectures: One-hour lectures will be held on Tuesdays and Thursdays at 11:00 AM in Room 10-250.

Recitations: One-hour recitations will be held on Wednesdays and Fridays. Available time slots are posted on the 6.002 web site.

Recitation assignments will be posted on the 6.002 web site and in the Lab, Room 38-500, by 5:00 PM on Thursday 9/8. You should attend your assigned recitation throughout the entire term. If you must change your recitation assignment, please inform your TA or the head TA. For the first recitation of the term, go to the section assigned by the registrar.

Tutorials: Tutorials will be held in the TA offices within the Lab, Room 38-500, on Mondays, Tuesdays, and Wednesdays, during those weeks in which there is no lab in progress. Tutorial hours will be assigned and posted on the 6.002 web site and in the Lab, Room 38-500, by 5:00 PM on Friday 9/9. Tutorials canceled due to holidays will be rescheduled by your TA.
Text: The course textbook is Foundations of Analog and Digital Electronic Circuits by Agarwal and Lang, Elsevier, 2005. It may be purchased from the MIT Coop ((617) 499-3200).

Homework: Homework will be issued in lecture and collected a week later in recitation. Homework issue and due dates are given in the “6.002 At a Glance” handout. Corrected homework with solutions will be returned in tutorials the week after it is collected. You are welcome and encouraged to discuss the homework among your colleagues. However, the final formulation and write up of your homework answers must be your own. Submitting homework copied from someone else is a breach of ethics, and will be handled by the Committee on Discipline. More importantly, although homeworks count for only 5 percent of the grade, they are critical to learning the material and to doing well on the quizzes and final exam. *Each test will have a question that is closely related to a homework problem,* and homework performance will be taken into account during grade assignment for cases that are on letter-grade boundaries.

*Late homework will not be accepted for grading.* However, total homework grades will be based on the best nine out of eleven individual homework grades. Thus, with one exception, two homework assignments may be missed without a grading penalty. *The one exception is Homework #11, which is mandatory.* Homework #11 will be a two-week design assignment that will also serve as the pre-lab exercises for Lab #4.

All homeworks will be graded on a coarse scale of 0 to 3 points. 3 points if all or nearly all problems are correct, 2 points if homework is approximately half correct, 1 point if mostly incorrect, and 0 points if late or not submitted.

Handouts: Extra handouts from lecture and recitation can generally be found on the 6.002 web site. For those handouts that can not be put on the web, extra copies may be found in the 6.002 drawer of the file cabinet in the SW corner of the Lab, Room 38-500. If you find that there are no extra copies of such a handout in the drawer, please contact a TA.

Labs: Labs will be conducted during the weeks shown in the “6.002 At a Glance” handout. Each lab assignment involves one or more accomplishments which must be checked off by a TA in the lab. TAs will be available for help and lab check-off between 1:00 PM and 5:00 PM during those weeks in which a lab is in progress. Individual lab hours will be assigned and posted on the 6.002 web site and in Room 38-500, by 5:00 PM on Tuesday 9/20. Written lab work for labs 1 through 3, which is to be completed in a lab notebook, will be due in recitation the week after the lab, as specified in the “6.002 At a Glance” handout. No written work will be due for the last lab. You are welcome and encouraged to discuss the labs among your colleagues. You are also encouraged to team up in pairs to execute a lab. (Each team can have no more than two people). However, the write up of your lab must be done on your own. Skipping the lab and submitting work copied from someone else is a serious breach of ethics, and will be handled by the Committee on Discipline.

Lab assignments will be graded on a scale of 0 to 3 (3: lab complete, works, good
job on pre and post lab; 2: lab mostly complete, reasonable job on pre and post lab; 1: lab partially done, marginal to poor job on pre and post lab; 0: lab not done, poor job on pre and post lab).

**Lab Kits:** Lab kits may be purchased in the 5th floor lobby (next to 38-501) between 2-4PM on 9/8 and 9/9. They can be picked up at the EECS Instrument Desk in the Lab, Room 38-500.

**Lab Books:** You must obtain a thin square-ruled hard-cover notebook for recording measurements, observations and graphs of data taken during the in-lab exercises. Written pre-lab and post-lab exercises are also to be completed in your lab notebook. Your lab notebook must be turned in for grading during recitation the week after the lab, as specified in the “6.002 At a Glance” handout; it will be returned before the next lab.

**WebSim (OPTIONAL):** Check out WebSim, a new resource for 6.002, accessible through the WebSim link on the 6.002 web site. WebSim is a web-based laboratory that allows you to experiment with various circuits seen in 6.002. For example, when experimenting with an RLC circuit in WebSim, you can set the resistor, capacitor and inductor values, apply one of many inputs (e.g., step, square wave or a rock music sample), and view or listen to the corresponding output.

There are no required exercises on WebSim. It is provided as a resource to help build intuition and to have fun.

**Quizzes:** Two closed-book evening quizzes will be given on the days indicated in the “6.002 At a Glance” handout. The quizzes will have a two-hour duration and will be held between 7:30PM and 9:30PM. Quiz locations will be posted on the 6.002 web site.

The exact date and location for the final will be announced later. You may bring one two-sided sheet of notes to the first quiz, and two two-sided sheets of notes to the second quiz. You may also bring a calculator. There will be no lecture or recitation on the day of the quiz. Obviously, the quizzes must be worked on your own, and any infractions will be handled by the Committee on Discipline.

**Final Exam:** A three-hour final exam will be given during the end-of-term exam week. Timing and room assignments will be announced later. You may bring three two-sided sheets of notes to the exam. Obviously, the final exam must be worked on your own, and any infractions will be handled by the Committee on Discipline.

**Grading:** Initial grading will be based on the following weighting: homework 5%, labs 5%, quizzes 25% each, and final exam 40%. This will be followed by considerable discussion among the entire teaching staff to factor in your diligence on the homeworks and labs, and your participation in class and tutorials. This discussion can affect your letter grade for the course, particularly if your initial grade is on a letter-grade boundary.

*Furthermore, failure to complete the labs in this subject will result in an overall grade that is one letter grade lower (not I).*

This subject has been designed so that lectures, recitations, tutorials, homework
and labs are integral and essential parts of the learning process. Although there is no specific reward for participation, there is a clearly defined penalty for not participating. Students who consistently miss recitations, tutorials, homework and labs will not be included in the grading discussions.