MASSACHUSETTS INSTITUTE of TECHNOLOGY
Department of Electrical Engineering and Computer Science

6.012 MICROELECTRONIC DEVICES AND CIRCUITS

GENERAL INFORMATION - Spring 2011

Staff: Lecturer: Professor Clif Fonstad Rm. 13-3050 fonstad@mit.edu x3-4634
Recitations: Professor Dimitri Antoniadis Rm. 39-567B daa@mit.edu x4-2395
T.A.’s: Shaya Famenini - shaya@mit.edu -
Philip Godoy - godoy@mit.edu -
Secretary: Monica Pegis Rm. 13-3058 pegis@mit.edu x3-3282

Course Handouts/Information: Copies of all handouts will be available outside the course office, 13-3058. They and other course information will also be posted on the web at:


Lectures: Tuesday and Thursday at 11:05 am in Room 32-155.
Recitations: Wednesday and Friday at 1:05 pm and 2:05 pm in Room 36-153.

Problem Sets: Most weeks problem sets will be handed out in Recitation on Wednesdays, and will be due the following Wednesday. Solutions submitted late will be noted as having been submitted, but there is no guarantee that they will be graded. This will depend on the availability and agreeably of the graders.

We welcome collaboration, but we also want to know who you have worked with on the problem set, and we expect you to prepare the final solution individually and to hand in your own work. What you put down on paper must honestly reflect your effort and ability. If you have worked closely with other students to figure out solutions to a problem set, please so state at the end of the solution you submit; this will help us confirm that problem sets were not copied and protect you from being wrongly accused.

Tutorials: The Teaching Assistants will conduct one-hour tutorial sessions each week for small groups of students. Written problem set solutions will be distributed at the tutorial session immediately following the due date.

Exams: There will be two evening exams from 7:30 to 9:30 pm in Room 32-141. The first will be Wednesday, March 2 and the second will be Wednesday, April 6. These exams will be "CLOSED BOOK", and you will be able to bring a 2-page, hand written crib sheet (to be handed in with your exam). You should also bring a calculator. There are no formal recitations on exam days, but your recitation instructors will be available in their offices to answer questions during your normal recitation hours.

Design Problem: A special take-home exam problem on circuit design will be distributed on Wednesday, April 20; this assignment will be due a bit more than two weeks later on Friday, May 6, by 5 pm in Room 13-3058. Late design problems will not receive full credit. Students must submit a satisfactory design problem solution to receive a grade in 6.012.

Final Exam: There will be a three hour "CLOSED BOOK" final exam on Monday, May 16 from 9:00 am to 12:00 noon in Walker Memorial (W30) covering all the material in the course.

Grading: The following algorithm will be used to establish a score for you in 6.012: (1) two hour exams, 20% each; (2) final exam, 33%; (3) design problem, 15%; (4) problem sets, 12% total. This score will serve as a starting point for an assessment by the staff of your overall mastery of the subject matter. Your letter grade will also reflect your performance in recitations and tutorials, and will be the outcome of the total evaluation process.

Updated 3/30/11