

Massachusetts Institute of Technology

Department of Electrical Engineering and Computer Science

6.012 Electronic Devices and Circuits

Fall 2000

Staff

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Prerequisites: 6.002, 8.02; Co-requisite: 6.003

Lectures: Tuesdays and Thursdays, 11 AM, Rm. 34-101

Recitations: Wednesdays and Fridays, 10:00 AM, 11:00 AM, 12 noon in Rm. 13-3101 and 1:00 PM in Rm. 13-4101.

Tutorials: The TA's will conduct several one-hour tutorials sessions each week for small groups of students. Times and rooms will be arranged shortly.

Required Reading: *Microelectronics—An Integrated Approach* by R. T. Howe and C. G. Sodini, Prentice Hall, 1997. Available at the COOP.

Reference Text: *Microelectronic Devices and Circuits* by C. G. Fonstad, McGraw-Hill; *Microelectronic Circuits* by A. S. Sedra and K. C. Smith, Saunders HBJ 1998; *Semiconductor Device Fundamentals* by R. F. Pierret, Addison Wesley, 1996. The three books have been placed on reserve at the Barker Engineering Library.

Handouts: Lecture notes will be handed out at the beginning of lecture. Spare handouts available outside 39-553a. The lecture notes will also be available at the 6.012 web site— <http://web.mit.edu/6.012/www>