

Outline (goal) for EECS 277B Winter 2009
Schedule is tentative.

- Lecture 1 Band theory of solids
- Lecture 2 Electrons and holes, drift and diffusion current
- Lecture 3 p-n junctions
- Lecture 4 heterojunctions
- Lecture 4 heterojunctions (continued)
- Lecture 5 Bipolar transistors: DC properties
- Lecture 6 HBT AC properties
- Lecture 7 HBT AC properties part two
- Lecture 8 f_T , f_{MAX}
- Lecture 9 Field effect devices
- Lecture 10 MESFET I-V curves, 2DEGs
- Lecture 11 HEMT I-V curves
- Lecture 12 HEMT ac properties

W1 Intro	L1
W2 L2	(no class) HW#1 posted
W3 Holiday	L3
W4 L4	L5 HW#2,3 posted
W5 L6	L7 HW #4 posted
W6 L8	Midterm
W7 Holiday	L9
W8 L10	L11
W9 Holiday	L12
W10 Presentations	Presentations