

Lecture 3: Device Models II (bipolar & MOS)

- **Announcements:**
- HW#1 is online
- Discussion sections start this week
 - ↳ Discussion Section 102 Time and Location
 - ↳ Th 4-5 p.m., 293 Cory
 - ↳ This is also now up on the official online schedule of classes
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- **Lecture Topics:**
 - ↳ Review (fast)
 - ↳ Bipolar Junction Transistor Modeling
 - Basic Structure & Physics
 - Large Signal Models
 - DC Operating Point
 - Small Signal Models
 - Frequency Shaping Elements
 - Layout
 - Unity Gain Frequency
 - ↳ MOS Transistor Modeling
 - Basic Structure & Physics
 - Large Signal Models
 - Threshold Voltage
 - Small Signal Models
 - Frequency Shaping Elements
 - Layout and Inclusion of Parasitics
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- **Last Time:** Reviewing BJT's and DC biasing using the handout
- Continue with this ...