EE 140/240A: Analog Integrated Circuits Lecture 3w: Device Models II (Bipolar & MOS)

Lecture 3: Device Models II (bipolar & MOS) Announcements: HW#1 is online Discussion sections start next week ♦ Problem: Monday is Labor Day ♥Will determine what to do about this via Piazza Slots will be added to 240a to allow all on the waitlist to get in \$If you don't get in, then move lab sections 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 Last Time: Reviewing BJT's and DC biasing using the handout Continue with this ...

