

CMOS Analog VLSI (ECE 594A/194 A)

Syllabus (tentative)

1. Physics of the MOS Transistor
2. CMOS Device Fabrication and Layout
3. Basic CMOS Topologies
4. Current & Voltage Reference Design
5. The Differential Amplifier
6. Noise
7. Feedback Theory
8. Two stage Op-Amp design
9. Advanced Op-Amp Circuits