















• What's next?

- <u>EE 240</u>: Advanced Analog Integrated Circuits
- Analysis and optimized design of integrated analog systems and building blocks. Specific topics include operational and wide-band amplifiers, gain-bandwidth and power considerations, analysis of noise in integrated circuits, low noise design, feedback, precision passive elements, analog switches, comparators, CMOS voltage references, nonidealities such as matching and supply/IO/substrate coupling. The course will include a significant design project applying the techniques taught in class to implement the analog front-end of a high-speed serial link.
- <u>EE 142</u>: Integrated Circuits for Communication
- Analysis and design of electronic circuits for communication systems, with an emphasis on integrated circuits for wireless communication systems. Analysis of noise and distortion in amplifiers with application to radio receiver design. Power amplifier design with application to wireless radio transmitters. Radio-frequency mixers, oscillators, phase-locked loops, modulators, and demodulators.