

Integrated Circuits

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UCLA MS Engineering Online, msengrol.seas.ucla.edu

Area Director: D. Markovic, dejan@ee.ucla.edu

Description: Analog IC design, design and modeling of VLSI circuits and systems, RF circuit and system design, signaling and synchronization, VLSI signal processing, communication system design.

Special Note: Summer courses will not be offered in this area, thus it cannot be completed in two calendar years.

Course Requirements (eight plus project course):

1. **EE 215A: Analog Integrated Circuit Design**
(Instructor: Prof. Razavi or Prof. Abidi)
2. **EE M216A: Design of VLSI Circuits and Systems**
(Instructor: Prof. Markovic)
3. **EE 201A: Fundamentals of VLSI Design Automation**
(Instructor: Prof. He) Spring / even years
4. **EE 201C: Modeling of VLSI Circuits and Systems**
(Instructor: Prof. He) Spring / odd years
5. **EE 215B: Advanced Digital Integrated Circuits**
(Instructor: Prof. Yang)
6. **EE 215C: Analysis and Design of RF Circuits and Systems**
(Instructor: Prof. Razavi or Prof. Abidi)
7. **EE 215D: Analog Microsystem Design**
(Instructor: Prof. Razavi or Prof. Abidi)
8. **EE 215E: Signaling and Synchronization**
(Instructor: Prof. Yang or Prof. Pamarti)
9. **EE 216B: VLSI Signal Processing**
(Instructor: Prof. Markovic)
10. **EE 209AS: Special Topics in Circuits and Embedded Systems**
(Instructor: Prof. Chang or Prof. Cabric) Offered as needed
11. **E 299: Project Course**



Asad
Abidi



Danijela
Cabric



M.C. Frank
Chang



Lei
He



Dejan
Markovic



Sudhakar
Pamarti



Behzad
Razavi



C.-K. Ken
Yang