

# EE499: Introduction to System-on-Chip

## Fall 2014

### Course Description:

This is an introductory 4-unit course on design flow, tools, concepts, challenges and issues related to System-on-Chip (SoC) which is the core part of real-time embedded systems with applications in mobile communications, cloud computing, aerospace and medical electronics. Part of this course is dedicated to Network-on-Chip (NoC) that is the communication backbone of large scale SoCs.

### Instructors:

Paul Bogdan

[http://ee.usc.edu/faculty\\_staff/faculty\\_directory/bogdan.htm](http://ee.usc.edu/faculty_staff/faculty_directory/bogdan.htm)

Office hours:

EEB 304: MW: 1:30-2:30pm, or by appointment

Shahin Nazarian

[http://ee.usc.edu/faculty\\_staff/faculty\\_directory/nazarian.htm](http://ee.usc.edu/faculty_staff/faculty_directory/nazarian.htm)

EEB 340: MW: 5-6pm or by appointment

**Website:** <https://blackboard.usc.edu/>

**Prerequisite:** Graduate or Senior undergraduate.

### Course Material:

Please check the course webpage for updated syllabus and material.