

VLSI Computer-Aided Design — CSE 243A (Section 820328)

Basic Information

September 29, 2014

Instructor Alex Orailoğlu

Lecture Mondays and Wednesdays – 12:30 – 1:50 PM; EBU3B 2154

Office Hours Tuesdays and Wednesdays 3:30 – 4:30 PM; EBU3B 3134

Main Text Book

- *Synthesis and Optimization of Digital Circuits*, by G. De Micheli, McGraw-Hill, 1994.

Recommended Text Books

- *Readings in Hardware/Software Co-Design*, edited by G. DeMicheli, R. Ernst, and W. Wolf, Morgan Kaufmann, 2002.
- *Specification and Design of Embedded Systems*, by D.D. Gajski, F. Vahid, S. Narayan, and J. Gong, Prentice-Hall, 1994.
- *High-Level Synthesis: Introduction to Chip and System Design*, by D.D. Gajski, N. Dutt, A. Wu, and S. Lin, Kluwer Academic Publishers, 1992.

Evaluation	Midterm 1 —	24 %
	Midterm 2 —	24 %
	Paper Review —	16%
	Final —	36 %

Mid-Term 1 November 3, 2014

Mid-Term 2 December 1, 2014

Final December 18, 2014, 11:30 AM – 2:30 PM

Homework Homework problems will be assigned but will be neither collected nor graded.

Paper Review Each student will be expected to review 2 papers and present them to class. Each paper presentation will take approximately 15 minutes. The papers to be reviewed will cover major areas in Hardware/Software Co-Design and Embedded Systems. A list of eligible papers in the area will be provided in the second week of classes.

Project Students have the option of substituting a project instead of the paper reviews. The project will be composed of a paper outlining project accomplishments (75% of the project grade) and a presentation to the class (25% of the project grade). The project should be equivalent to a piece of work that were the student to continue for a second quarter with the project at the same level of intensity, it will be publishable at a conference or workshop.

Statute of Limitations You have one (1) week from the day any particular graded exam is made available to you to appeal the grade you received. After one week, we will assume that you believe the grade that you got is the correct one. After one week, grades are unchangeable, fixed and permanent.