Meeting times: Locations:	Tuesday, Thursday 12:30 – 1:45 Swearingen 2A19 (lecture), 1D43 (lab)	
Textbook:	CMOS VLSI Design: A Circuits and Systems Perspective (3rd edition) Neil H.E. Weste, David Harris (ISBN: 0321149017)	
Official prereqs:	Digital logic design (CSCE 211), Object-oriented programming (CSCE 245)	
Preferred prereqs:	Circuit theory	
Instructor: E-mail: Office: Webpage: Phone: Office hours:	Dr. Jason D. Bakos jbakos@cse.sc.edu Swearingen 3A52 http://www.cse.sc.edu/~jbakos 777-8627 (x7-8627) Tuesday, Thursday 11:00 – 12:30 (However, stop in anytime I'm here!)	
Grading structure:	Assignments/labs	40%
Ū	Course Project	60%
Course organization:		
Introduction: TC design, CMOS logic, and fabrication fundamentals 2 weeks: Lectures Assignments from textbook CMOS circuit design, layout, and simulation <u>1 week:</u> Tutorial: Cadence IC-Tools <u>2 weeks:</u> Design projects <u>2 weeks:</u> Development of standard cell library		
<u>2 weeks:</u>		
Tutorials: Cadence SignalStorm and Abstract Generator		
VHDI Design		
<u>1.5 weeks:</u>		
Lectures on VHDL		
Lutorial: Men	itor HDL Designer	
<u>2 weeks.</u> Design projec	t	
Logic Synthesis and Place-and-Route		
<u>1.5 weeks:</u>		
Tutorial: Syn	opsys Design Analyzer	
Remainder of term		