

# CS M151B / EE M116C

## Computer Systems Architecture

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<b>Instructor:</b>	Glenn Reinman ( <i>reinman@cs.ucla.edu</i> ) <b>Lectures:</b> Tues/Thurs, 10am-11:50am in MS 4000A <b>Office Hours:</b> TBA – Please check CourseWeb
<b>TAs:</b>	TBA – Please check CourseWeb
<b>Text:</b>	Patterson & Hennessy, "Computer Organization and Design - The Hardware/Software Interface", Morgan Kaufmann, 5e ed.
<b>Grading:</b>	10% Homework 25% Midterm #1 25% Midterm #2 40% Final (8-11 AM, Monday, March 16, 2015)

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### Tentative Class Outline

Tuesdays			Thursdays		
Jan	6	Introduction	8	Performance	
	13	ISA	15	ISA	
	20	ALU	22	ALU	
	27	Midterm #1	29	Single Cycle Arch	
Feb	3	Single Cycle Arch	5	Pipelining	
	10	Hazards	12	Adv Pipelining	
	17	Midterm #2	19	Caching	
	24	Caching	26	Virtual Memory	
Mar	3	I/O	5	Advanced Topics	
	10	Advanced Topics	12	Review	