CSC 256.01/02 Spring 2016
Machine Structures
Tentative Schedule (2/2/16)

Date	Topic	Assignment	Reading
W 1/27	Introduction, Administration	Assignment 1 Out	
F 1/29	Number Systems, Types		
M 2/1	Number Systems	Assignment 1 Due	C++ For Java Programmers (slides) Chapter 1 Slides
W 2/3	Programmer's view of computer Memory Organization		Chapter 2 Slides P&H 1.1 – 1.3, 1.5, 1.6, 2.1 – 2.3, 2.6, A-51 to 57, A-59 to 63
F 2/5	Quiz 1 Memory Organization, byte order		
M 2/8	The CPU, Compilation	Assignment 2 Out	
W 2/10	Compilation, If-Else		
F 2/12	Compilation, For-While		
M 2/15	Compilation, I/O	Assignment 2 Due	
W 2/17	Memory Loads/Stores		Chapter 3 Slides P&H 2.7, 2.14
F 2/19	Registers as pointers		
M 2/22	Arrays		
W 2/24	Strings, Midterm Review		
F 2/26	MIDTERM 1		
M 2/29	The Stack / Functions	Assignment 3 Out	Chapter 4 Slides P&H 2.8, 2.13
W 3/2	Functions w/Parameters		
F 3/4	Register use convention		
M 3/7	Assembly – R Instructions	Assignment 3 Due	Chapter 5 Slides
W 3/9	Assembly – I Instructions	Assignment 4 Out	

Date		Topic	Assignment	Reading
F	3/11	Assembly – I Instructions		
M	3/14	Assembly - BTA		
W	3/16	Linking, etc., Midterm Review	Assignment 4 Due	
F	**3/18**	**Midterm 2**		
M	3/21	Spring Break	Relax	
W	3/23	Spring Break	Recharge	
F	3/25	Spring Break	Revitalize	
M	3/28	Digital Logic Intro		Chapter 6 Slides
W	3/30	Digital Logic – Flip Flops / Registers		
F	4/1	Digital Logic – Sum of Products		
M	4/4	MIPS Processor Design - Components	Assignment 5 Out	Chapter 7 Slides
W	4/6	Processor - Single cycle implementation		
F	4/8	Processor - Single cycle implementation		
M	4/11	Processor - Pipelining	Assignment 5 Due	
W	4/13	Processor - Pipelining		
F	4/15	Processor - Performance		
M	4/18	Interrupts and Exceptions	Assignment 6 Out	Chapter 8 Slides
W	4/20	Interrupts and Exceptions		
F	4/22	Interrupts and Exceptions		
M	4/25	Memory – Caches	Assignment 6 Due	Chapter 9 Slides
W	4/27	Memory – Caches		
F	4/29	Memory – Caches		
M	5/2	Floating Point	Assignment 7 Out	Chapter 10 Slides
W	5/4	Floating Point		
F	5/6	Floating Point		
M	5/9	x86 Programming	Assignment 7 Due	Chapter 11 Slides
W	5/11	x86 Programming		
F	5/13	x86 Programming		
M	5/16	Final Review		
		Final Exam		