

The following schedule outlines the material to be covered during the semester and specifies the corresponding sections in the textbooks: *Essentials of Computer Organization and Architecture (CO&A)*, by Null & Lobur and *Assembly Language Step-by-Step (ALSbS)*, by Dunteman.

Date	Topic	Reading		Homework	
		CO&A	ALSbS	Assign	Due
Tue 01/29	Data Representation I	1.1–1.8		HW1	
Thu 01/31	Data Representation II	2.1-2.4, 2.6			
Tue 02/05	i386 Assembly Language I	4.14	Ch 3-4	HW2	HW1
Thu 02/07	i386 Assembly Language II		Ch 5-6		
Tue 02/12	i386 Assembly Language III		Ch 7-8	Proj1	HW2
Thu 02/14	i386 Assembly Language IV		Ch 9		
Tue 02/19	A Bigger Example			Proj2	Proj1
Thu 02/21	Subroutines		Ch 10		
Tue 02/26	Interrupts	7.4		Proj3	Proj2
Thu 02/28	C Programming I				
Tue 03/05	C Programming II			Proj4	Proj3
Thu 03/07	C Programming III				
Tue 03/12	C Programming IV				Proj4
Thu 03/14	Midterm Exam				
Tue 03/19	<i>Spring Break</i>				
Thu 03/21	<i>Spring Break</i>				
Tue 03/26	C Programming V			Proj5	
Thu 03/28	C Programming VI				
Tue 04/02	C & Assembly Language		Ch 12	Proj6	Proj5
Thu 04/04	Function Pointers				
Tue 04/09	Polymorphism in C			Proj7	Proj6
Thu 04/11	Introduction to Digital Logic	3.1–3.3			
Tue 04/16	Transistors & Logic Gates			Proj8	Proj7
Thu 04/18	Circuits for Addition	3.4-3.5			
Tue 04/23	Flip Flops	3.6		HW3	Proj8
Thu 04/25	Finite State Machines				
Tue 04/30	Finite State Machine Design			HW4	HW3
Thu 05/02	Towards a CPU				
Tue 05/07	Cache & Virtual Memory I	6.1– 6.4		HW5	HW4
Thu 05/09	Cache & Virtual Memory II	6.5			
Tue 05/14	Review				HW5
Tue 05/21	Final Exam (Section 01 10:30am – 12:30pm, Section 02 1pm – 3pm)				