

15-213 Intro to Computer Systems: Assignments

The

completing these assignments.

All labs are due **11:59pm** on the shown due date.

The late penalty is 15% per day.

Each student has 5 grace days for the semester.

You can use at most 2 grace days for any one assignment.

You can submit any assignment at most 3 days late.

All assignments are handed out and handed in using Autolab.

Schedule

Lab	Out	Weight (%)	Name	Due
L1	Thu May 21	7	Data Lab	Mon Jun 1
L2	Tue Jun 2	7	Bomb Lab	Tue Jun 9
L3	Tue Jun 9	4	Buffer Lab	Tue Jun 17
L4	Tue Jun 17	4	Cache Lab	Tue Jun 24
L5	Thu Jun 24	8	Shell Lab	Thu Jul 8
L6	Thu Jul 8	12	Malloc Lab	Thu Jul 24
L7	Thu Jul 24	8	Proxy Lab	Thu Aug 6
Total	50%			

Date			Lecture/Recitation	Reading	Problems	Labs
Tue	May	19	Administrivia		1	
Wed	May	20	Overview		1	
Thu	May	21	Bits, Bytes, Ints, 1 Recitation 1: Datalab	2.1-2.3		L1 (datalab) out
Tue	May	26	Bits, Bytes, Ints, 2	2.1-2.3	2.62, 2.67, 2.75, 2.82.62, 2.67, 2.75, 2.811	
Wed	May	27	Floating Point	2.4-2.5	2.86, 2.88, 2.89	
Thu	May	28	Machine Prog: Basics Recitation 2: Data Representation	3.1-3.5, 3.13.1-3.13.3		3.54
Mon	Jun	1				L1 (datalab) due
Tue	Jun	2	Machine Prog: Control	3.6, 3.13.4	3.59, 3.43	L2 (bomblab) out
Wed	Jun	3	Machine Prog: Procedures		3.7	
Thu	Jun	4	Machine Prog: Data Recitation 3: Bomblab	3.8-3.9, 3.13.5		
Tue	Jun	9	Machine Prog: Advanced	3.10-3.12, 3.14-3.15	3.66, 3.43	L2 (bomblab) due, L3 (buflab) out
Wed	Jun	10	The Memory Hierarchy		5 5.3, 5.8	
Thu	Jun	11	Cache Memories Recitation 4: Stacks and Buflab	6.1-6.3	6.2, 6.3, 6.8	
Tue	Jun	16	ECF: Exceptions & Processes	6.4-6.7	6.13-6.21	L3 (buflab) due, L4 (cachelab) out
Wed	Jun	17	ECF: Signals & Nonlocal Jumps	8.1-8.4	8.2-8.4	
Thu	Jun	18	Linking Recitation 5: Memory and Cachelab	8.5-8.8	8.5-8.7, 8.10	
Tue	Jun	23	System Level I/O		10 10.2, 10.3	L4 (cachelab) due, L5(tshlab) out
Thu	Jun	25	Virtual Memory: Concepts Recitation 6: Shell Lab AND Midterm Review	9.1-9.6		

Tue	June	30	Virtual Memory: Systems	9.7-9.8	Mid-term Exam (Mon-9.14 Wed)
Wed	Jul	1	Dynamic Memory Allocation: Basic	9.9	
Note class on Wednesday instead due to holiday					
Tue	Jul	7	Dynamic Memory Allocation: Advanced	9.10-9.13	9.18 L5 (tshlab) due, L6 (malloclab) out
Thu	Jul	9	Internetworking Recitation 8: Virtual Memory and Malloclab (and tips)	11.1-11.3	
Tue	Jul	14	Network Programming	11.4	11.5
Thu	Jul	16	Web Services	11.5-11.7	12.7, 12.13, 12.14
Recitation 9: Problem Session					
Thu	Jul	21	Concurrent Programming	12.1-12.3	
Tue	Jul	23	Synchronization: Basic	12.4, 12.5.1-3	12.4-12.6 L6 (malloclab) due, L7 (proxylab) out
Recitation 10: Network, Web Programming, and Concurrency Control (Wow!)					
Tue	Jul	28	Synchronization: Advanced	12.5.4-5, 12.7-8	12.7, 12.13, 12.14
Thu	Jul	30	Optimization Recitation 11	12.6	
Tue	Aug	4	Exam overview and Wrap-up	12.6	
Wed	Aug	5	Reading Day		L7 (proxylab) due
Thu-Fri	Aug	06-07	Final Exam (Thu-Fri) Recitation 12 (Exam Prep)		