Section Info:
Section 01 – CRN 2755
Tuesday/Thursday 2:30 pm – 4:50 pm – W311

Version

- Version 0.4 – 3/31/2025 – changes to timing of Labs i8/i9 and i10/i12
- Version 0.3 – 3/16/2025 – moved Assem Lab for i7
- Version 0.2 – 1/13/2025 – corrected room
- Version 0.1 – 1/10/2025 – First Release
- Version 0.0 - 12/4/2024 – First Draft

Consult the syllabus for Grade Determinants (what everything is worth), Compiling Policy, Late Policy (don't be late), and Cheating Policy (don't cheat)

Class Schedule

Week #	Date Tue	Thur	Topic(s) (pdfs of slides in Canvas)	Work Due (details in Canvas)
1		1/23	Course Overview S - Ch 1 Basic Conc. & Comp. Evolution S - Ch 2 Performance Concepts i - Ch 1. Basic Concepts	1/23
1	1/28		S - Ch 1, Ch 2, cont. i - Ch 1, cont.	1/28 **Arch. Lab i1 - conversions / Logic Tables**
2		1/30	S - Ch 1, Ch 2, cont. i - Ch 1, cont.	1/30 Assem. Lab i1 - Hello World
2	2/4		S - Ch 10 Number Systems S - Ch 12 Digital Logic i - Ch 2. IA-32 Processor Architecture	2/4 *Hw #1 - S1,S2* **Arch. Lab S10/12 - conversions / Logic Tables**
3		2/6	S - Ch 10, Ch 12, cont. i - Ch 2, cont.	2/6 Assem. Lab i2 - Register Dump+
3	2/11		S - Ch 3 A Top-Level View of Computer Function and Interconnection i - Ch 3. Assembly Lang. Fund.	2/11 *Hw #2 - S10,S12* ***Arch. Lab S3 - hyp. Machine***
4		2/13	S - Ch 3, cont. i - Ch 3, cont.	2/13 Assem. Lab i3- Variables

CSIT 256-01 Computer Architecture & Assembly Language CRN 27557
Spring 2025 - Class Schedule 0.3

Week #	Tue / Thur	Topic(s) (pdfs of slides in Canvas)	Work Due (details in Canvas)
4	2/18	S - Ch 4 The Memory Hierarchy: Locality and Performance S - Ch 5 Cache Memory i - Ch 4. Data Tran., Addr., + Arithmetic	2/18 *Hw #3 - S3* ***Arch. Lab S5 - Cache***
5	2/20	S - Ch 4, Ch 5, cont. i - Ch 4, cont.	2/20 Assem. Lab i4 - Simple Math
5	2/25	i - Ch 5. Procedures *Exam 1 Info* *Distribute Assembly Project 1 (i1-i5)*	2/25 *Hw #4 - S4, S5*
6	2/27	i - Ch 5, cont.	2/27 Assem. Lab i5 - Irvine Library and Procedures
6	3/4	S - Ch 6 Internal Mem. i - Ch 6. Cond Processing	3/4 ***Arch. Lab S6 - Hamming Code***
7	3/6	**2:30 – 3:20 Lab Time** **3:20 - 3:30 Break** **3:30 - 4:30 Exam 1 (15%)**	3/6 **Exam 1**
	3/11 / 3/13	**No Class - Spring Break**	
7	3/18	S - Ch 7 External Mem. i - Ch 7. Integer Arithmetic *Distribute Assembly Project 2 (i1-i7)*	3/18 *Hw #5 - S6* ***Arch. Lab S7 - External Storage***
8	3/20	i - Ch 6, cont. i - Ch 7, cont.	3/20 Assem. Lab i6 - Cond. Proc.
8	3/25	S - Ch 8 Input/Output i - Ch 8. Advanced Procedures	3/25 Hw #6 - S7
9	3/27	*Lab time* *Note: during lab time, all questions must be asked in person*	3/27 Assem. Lab i7 - iMUL and iDIV **Assembly Project 1 (i1-i5)**

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Spring 2025 - Class Schedule 0.3

Week #	Tue Thur	Topic(s) (pdfs of slides in Canvas)	Work Due (details in Canvas)
9	4/1	S - Ch 9 Operating System Support i - Ch 9. Strings and Arrays	4/1 *Hw #7 - S8* **Arch. Lab S9 – OS**
10	4/3	***Just Lab time for Assembly Project 2*** *Note: during lab time, all questions must be asked in person*	4/3 **Assembly Project 2 (i1-i7)**
10	4/8	S - Ch 11 Computer Arithmetic i - Ch 10. Structures and Macros *Exam 2 Info* *Distribute Assembly Project 3 (i1-i9)*	4/8 *Hw #8 - S9* **Arch. Lab S11 - Booth's Alg.**
11	4/10	i - Ch 10, cont.	4/10 Assem. Lab i8 - Adv. Proc and i9 - 2D Arrays
		Note: 4/10 last day to drop	
11	4/15	i - Ch 12. Floating Point prog.	4/15 *Hw #9 - S11*
12	4/17	2:30 - 3:05 Lab Time 3:05-3:15 Break/Get Ready **3:15 - 4:45 Exam 2 (25%)**	4/17 **Exam #2**
12	4/22	S - Ch 16 Processor Structure and Function	4/22
13	4/24	***Just Lab time for Lab i12 and Assembly Project 3*** *Note: during lab time, all questions must be asked in person*	4/24 Assem. Lab i10 – STRUCT and i12 - floating point
13	4/29	i - Ch 11. MS-Windows prog *Final Exam Info*	4/29 Hw #10 – S16
14	5/1	***Lab time for Assembly Project 3*** *Note: during lab time, all questions must be asked in person*	5/1 **Assembly Project 3 (i1-i19)**
14	5/6	S - Ch 17 Reduced Instruction Set Computers (RISC)	5/6
		Note: Reading Day 5/7	

Week #	Tue Thur	Topic(s) (pdfs of slides in Canvas)	Work Due (details in Canvas)
		Final Exam period 5/8 - 5/14	
	5/8	**12:30-2:30** Final Exam (30%)	5/8 **Final Exam (30%)** *(note time)*

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