CSIT 256-02Y Computer Architecture & Assembly Language CRN 29030

Spring 2025 - Class Schedule 0.5

Section Info:

Section 02Y – CRN 29030

Monday	12:00 – 2:50	"Remote Synch"
Wednesday	1:00 – 2:50	W311

Version

- Version 0.5 – 4/6/2025 – tidying up changes from 0.4
- Version 0.4 – 3/30/2025 – changes to reflect no class on 3/24
- Version 0.3 – 3/16/2025 – moved Assem Lab for i7 and Exam 2
- Version 0.2 – 1/10/2025 – First Release
- Version 0.1 - 10/3/2024 - Second Draft - Split semester Project into 3 smaller projects
- Version 0.0 - 10/2/2024 – First Draft (topics not set -all dates set except Final Exam date)

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 (S = Stallings Book, i = Irvine Book)

Week #	Date Mon / Wed	Topic(s) (pdfs of slides in Canvas)	Work Due (details in Canvas) Mon / Wed
1	**1/22**	Course Overview S - Ch 1 Basic Conc. & Comp. Evolution S - Ch 2 Performance Concepts i - Ch 1. Basic Concepts	1/22 Assem. Lab i1 - Hello World
1	**1/27**	S - Ch 1, Ch 2, cont. i - Ch 1, cont.	1/27
2	**1/29**	S - Ch 1, Ch 2, cont. i - Ch 1, cont.	1/29 **Arch. Lab i1 – conv. / Logic Tables**
2	**2/3**	S - Ch 10 Number Systems S - Ch 12 Digital Logic i - Ch 2. IA-32 Processor Architecture	2/3 *Hw #1 - S1,S2*
3	**2/5**	S - Ch 10, Ch 12, cont. i - Ch 2, cont.	2/5 **Arch. Lab S10/12 - conversions / Logic Tables** Assem. Lab i2 - Register Dump+
3	**2/10**	S - Ch 3 A Top-Level View of Computer Function and Interconnection i - Ch 3. Assembly Lang. Fund.	2/10 *Hw #2 - S10,S12*

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4	**2/12**	S - Ch 3, cont. i - Ch 3, cont.	2/12 ***Arch. Lab S3 - hyp. Machine*** Assem. Lab i3- Variables
4	**2/17**	S - Ch 4 The Memory Hierarchy: Locality and Performance S - Ch 5 Cache Memory i - Ch 4. Data Tran., Addr., + Arithmetic	2/17 *Hw #3 - S3*
5	**2/19**	S - Ch 4, Ch 5, cont. i - Ch 4, cont.	2/19 ***Arch. Lab S5 - Cache*** Assem. Lab i4 - Simple Math
5	**2/24**	i - Ch 5. Procedures *Exam 1 Info* *Distribute Assembly Project 1 (i1-i5)*	2/24 *Hw #4 - S4, S5*
6	**2/26**	i - Ch 5, cont.	2/26 Assem. Lab i5 - Irvine Library and Procedures
6	**3/3**	S - Ch 6 Internal Mem. i - Ch 6. Cond Processing	3/3
7	**3/5**	**1:00 – 1:40 Lab Time** **1:40 - 1:50 Break** **1:50 - 2:50 Exam 1 (15%)**	3/5 ***Arch. Lab S6 - Hamming Code*** ***Exam 1***
	3/10 3/12	**No Class - Spring Break**	
7	**3/17**	S - Ch 7 External Mem. i - Ch 7. Integer Arithmetic *Distribute Assembly Project 2 (i1-i7)*	3/17 *Hw #5 - S6*
8	**3/19**	i - Ch 6, cont. i - Ch 7, cont.	3/19 Assem. Lab i6 - Cond. Proc. ***Arch. Lab S7 - External Storage***
8	**3/24**	*No Class*	3/24

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9	**3/26**	***Lab time*** *Note: during lab time, all questions must be asked in person*	3/26 Hw #6 - S7 Assem. Lab i7 - iMUL and iDIV **Assembly Project 1 (i1-i5)**
9	**3/31**	S - Ch 8 Input/Output i - Ch 8. Advanced Procedures i - Ch 9. Strings and Arrays	3/31
10	**4/2**	***Just Lab time Assembly Project 2*** *Note: during lab time, all questions must be asked in person*	4/2 **Assembly Project 2 (i1-i7)**
10	**4/7**	S - Ch 9 Operating System Support i - Ch 10. Structures and Macros *Exam 2 Info* *Distribute Assembly Project 3 (i1-i9)*	4/7 *Hw #7 - S8*
11	**4/9**	i - Ch 10, cont.	4/9 Assem. Lab i8 - Adv. Proc and i9 - 2D Arrays ***Arch. Lab S9 – OS***
		Note: 4/10 last day to drop	
11	**4/14**	S - Ch 11 Computer Arithmetic i - Ch 12. Floating Point prog.	4/14
12	**4/16**		4/16
12	**4/21**	S - Ch 16 Processor Structure and Function Arch. Lab S11 via Zoom	4/21 *Hw #8 - S9* *Hw #9 - S11* ***Arch. Lab S11 - Booth's Alg.***
13	**4/23**	**1:00 – 1:15 Get Ready** **1:15 – 2:45 Exam 2 (25%)**	4/23 **Exam #2 (25%)**
13	**4/28**	i - Ch 11. MS-Windows prog *Final Exam Info*	4/28 *Hw #10 - S16*

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14	**4/30**	***Just Lab time for Assembly Project 3*** *Note: during lab time, all questions must be asked in person*	4/30 Assem. Lab i10 – STRUCT and i12 - floating point **Assembly Project 3 (i1-i9)**
14	**5/5**	S - Ch 17 Reduced Instruction Set Computers (RISC)	5/5
		Note: Reading Day 5/7 **Final Exam period 5/8 - 5/14**	
	5/14	**9:30 am - 11:30 am** **Final Exam (30%)**	5/14 **Final Exam (30%)** ***(note time)***

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