

**CSIT 256-51 Computer Architecture & Assembly Language CRN 17207**

**Fall 2023**

**Class Schedule 0.1**

**Monday 5:30 pm-7:50 pm West Building W310**

**Wednesday 5:30 pm-7:50 pm West Building W310**

\*\*\* dates set – topics not set

**Version**

- Version 0.1 - 8/28/2023 - First release
- Version 0.0 - 7/4/2023 - First Draft

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

**Class Schedule ( S = Stallings book, i = Irvine Book )**

Week #	Date		Topic(s) ( pdfs of slides in Canvas )	Work Due	
	M	W		M	W
1		8/30	Course Overview S - Ch 1 Basic Conc. & Comp. Evolution S - Ch 2 Performance Concepts		8/30
			<b>9/4 College closed - Labor day</b>		
1		9/6	i - Ch 1. Basic Concepts		9/6 <b>Arch. Lab i1 - conversions / Logic Tables</b> Assem. Lab i1 - Hello World
2	9/11		S - Ch 10 Number Systems S - Ch 12 Digital Logic i - Ch 2. IA-32 Processor Architecture	9/11	<b>Hw #1 - S1,S2</b> <b>Arch. Lab S10/12 - conversions / Logic Tables</b>
2		9/13	i - Ch 2 - cont		9/13 Assem. Lab i2 - Register Dump+
3	9/18		S - Ch 3 A Top-Level View of Computer Function and Interconnection i - Ch 3. Assembly Lang. Fund.	9/18	<b>Hw #2 - S10,S12</b> <b>Arch. Lab S3 - hyp. machine</b>
3		9/20	i - Ch 3 - cont		9/20 Assem. Lab i3- Variables

**CSIT 256-51 Computer Architecture & Assembly Language CRN 17207**

**Fall 2023**

**Class Schedule 0.1**

Week #	Date		Topic(s) ( pdfs of slides in Canvas)	Work Due	
	M	W		M	W
4	9/25		S - Ch 4 The Memory Hierarchy: Locality and Performance S - Ch 5 Cache Memory i - Ch 4. Data Tran., Addr., + Arithmetic	9/25 Hw #3 - S3 <b>Arch. Lab S5 - Cache</b>	
4		9/27	i - Ch 4 - cont		9/27 Assem. Lab i4 - Simple Math
5	10/2		S - Ch 6 Internal Mem. i - Ch 5. Procedures	10/2 Hw #4 - S4, S5 <b>Arch. Lab S6 - Hamming Code</b>	
5		10/4	i - Ch 5 - cont		10/4 Assem. Lab i5 - Irvine Library and Procedures
6	10/9		S - Ch 7 External Mem. i - Ch 6. Cond Processing <i>Exam 1 Info</i>	10/9 Hw #5 - S6 <b>Arch. Lab S7 - External Storage</b>	
6		10/11	i - Ch 6 - cont		10/11 Assem. Lab i6 - Cond. Proc.
7	10/16		5:30 - 6:30 S - Ch 8 Input/Output i - Ch 7. Integer Arithmetic <b>6:50 - 7:50</b> <b>Exam 1 (15%)</b>	10/16 Hw #6 - S7 <b>Exam 1 (15%)</b>	
7		10/18	i - Ch 7 - cont		10/18 Assem. Lab i7 - iMUL and iDIV
8	10/23		S - Ch 9 Operating System Support i - Ch 8. Advanced Procedures	10/23 Hw #7 - S8 <b>Arch. Lab S9 - OS</b>	
8		10/25	i - Ch 8 - cont		10/25 Assem. Lab i8 - Adv. Proc.

**CSIT 256-51 Computer Architecture & Assembly Language CRN 17207**

**Fall 2023**

**Class Schedule 0.1**

Week #	Date		Topic(s) ( pdfs of slides in Canvas)	Work Due	
	M	W		M	W
9	10/30		S - Ch 11 Computer Arithmetic i - Ch 9. Strings and Arrays	10/30 Hw #8 - S9 <b>Arch. Lab S11 - Booth's Alg.</b>	
9		11/1	i - Ch 9 - cont		11/1 Assem. Lab i9 - 2D Arrays
10	11/6		S - Ch 16 Processor Structure and Function i - Ch 10. Structures and Macros	11/6 Hw #9 - S11	
10		11/8	i - Ch 10 - cont		11/8 Assem. Lab i10 - STRUCT
			<b>Note: 11/13 last day to drop</b>		
11	11/13		S - Ch 17 Reduced Instruction Set Computers (RISC) i - Ch 12. Floating Point prog. <i>Exam 2 Info</i>	11/13 Hw #10 - S16	
11		11/15	i - Ch 12 - cont		11/15 Assem. Lab i12 - floating point
12	11/20		5:30 - 5:50 get ready <b>5:50 - 7:50 Exam 2 (15%)</b>	11/20 <b>Exam #2</b>	
		11/22	<b>No class - Thanksgiving 11/23</b>		
12	11/27		S - TBA i - Ch 11. MS-Windows prog <i>Final Exam Information</i>	11/27	
13		11/29	<b>Lab time for Assembly Project</b>		11/29
13	12/4		<b>Lab time for Assembly Project</b>		12/4
14		12/6	<b>Lab time for Assembly Project</b>		12/6

**CSIT 256-51 Computer Architecture & Assembly Language CRN 17207**

**Fall 2023**

**Class Schedule 0.1**

<b>Week #</b>	<b>Date M      W</b>	<b>Topic(s) ( pdfs of slides in Canvas )</b>	<b>Work Due M      W ( details in Canvas )</b>
<b>14</b>	<b>12/11</b>	<b><i>Lab time for Assembly Project</i></b>	<b>12/11 Assembly Project ( 10% )</b>
		<b>Note: Reading Day 12/12 Final Exam period 12/13 - 12/19</b>	
	<b>12/13</b>	<b>5:30-7:30 Final Exam (20%)</b>	<b>12/13 Final Exam (20%)</b>

:)