CSIT 256-90v Computer Architecture & Assembly Language

Summer 2020 - CRN: 33140

Class Schedule v0.2

Section Info: Section 90v - CRN 33140

This Online Section of the course does not meet in a classroom. This section uses a Learning Management System (LMS) called Canvas. See: https://rvcc.instructure.com/

Versions

- Version 0.2 - 6/4/2020 - first release
- Version 0.1 - 5/29/2020 - topics/assignments added
- Version 0.0 - 5/19/2020 - draft

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

S = Stallings Book (Architecture) / I = Irvine Book(Assembly)

Class Schedule

Week	Monday	Topic(s)	Work Due Monday	Work Due (Friday)
1	6/8/20	Course Overview **Arch:** S - Ch 1 Basic Conc. & Comp. Evolution *(a)* S - Ch 2 Performance Issues S - Ch 9 Number Systems *(b)* S - Ch 11 Digital Logic *(b)* **Assembly:** i - Ch 1. Basic Concepts *(b)* i - Ch 2. x86 Proc. Architecture *(a)* **Note** *(a)* Some Topics overlap S1 i2 *(b)* Some Topics overlap S9 S11 i1	6/8 Arch. Lab i1 - conversions / Logic Tables Assem. Lab i1 - Hello World	6/12 Hw #1 - S1,S2 Arch. Lab S9/11 - conversions / Logic Tables *Assem. Lab i2 - Register Dump+*
2	6/15	**Arch:** S - Ch 3 A Top-Level View of Computer Function and Interconnection S - Ch 4 Cache Memory **Assembly:** i - Ch 3. Assembly Lang. Fund. i - Ch 4. Data Tran., Addr., + Arithmetic	*6/15* *Hw #2 - S9,S11* *Arch. Lab S3 - hyp. machine* *Assem. Lab i3- Variables*	*6/19* *Hw #3 - S3* *Arch. Lab S4 - Cache* *Assem. Lab i4 - simp math*

CISY 105-51x Foundations of Computer Science

Summer 2019 - CRN: 32169

Class Schedule v0.2

Week	Monday	Topic(s)	Work Due Monday	Work Due Friday
3	6/22	***Exam 1 Information*** **Arch:** S - Ch 5 Internal Mem. Technology S - Ch 6 External Mem. **Assembly:** i - Ch 5. Procedures i - Ch 6. Conditional Processing	*6/22* *Hw #4 - S4* *Arch. Lab S5 - Hamming Code* *Assem. Lab i5 - Procedures*	*6/26* *Hw #5 - S5* *Assem. Lab i6 - Cond. Proc.*
		For those who will be away the week of 7/6, please use week of 6/29 to do the work for the week of 7/6 which will be due the week of 7/13		
	6/29	**No Classes - (Summer Break 6/28-7/5) - (college closed 7/2-7/4)**		
4	7/6	**Arch:** S - Ch 7 Input/Output S - Ch 8 Operating System Support **Assembly:** i - Ch 7. Integer Arithmetic i - Ch 8. Advanced Procedures	*Since 7/4 falls on a Saturday, and some 'vacation' the week before and some 'vacation' the week after, the work that would have been be due the week of 7/6, will be due the week of 7/13 in addition to the work for the week of 7/13...please pace yourself accordingly*	
5	7/13	***Exam 1 (15%)*** **Arch:** S - Ch 10 Computer Arithmetic **Assembly:** i - Ch 9. Strings and Arrays	**7/13** **Exam 1 (15%)** Hw #6 - S6 Hw #7 - S7	*7/17* *Arch. Lab S10 - Booth* *Hw #8 - S8* *Assem. Lab i7 - iMUL and iDIV* *Assem. Lab i8 - Adv. Proc*

CISY 105-51x Foundations of Computer Science

Summer 2019 - CRN: 32169

Class Schedule v0.2

Week	Monday	Topic(s)	Work Due Monday	Work Due Friday
6	7/20	***Exam 2 info*** **Arch:** S - Ch 14 Processor Structure and Function **Assembly:** i - Ch 10. Structures and Macros	7/20 Hw #9 - S10 Assem. Lab i9 - 2D Arrays	*7/24* *Assem. Lab i10 - STRUCT*
7	7/27	***Exam 2 (15%)*** **Arch:** **Assembly:** i - Ch 12. Floating Point Processing and Instruction Encoding	7/27 **Exam 2 (15%)**	7/31 Hw #10 - S14
8	8/3	***Final Exam Information*** **Arch:** S - Ch 15 Reduced Instruction Set Computers (RISC) **Assembly:** i - Ch 11. MS-Windows prog	8/3 Assem. Lab i12 - floating point	*8/7*
9	8/10	**Assembly Project** **Final Exam(15%) due 8/14 11:59 pm**	8/10 **Assembly Project (10%)**	8/14 **Final Exam Due by 11:59 pm**

:)