CSCI 2500 Computer Organization - Fall 2022
Lectures: Monday/Thursday 10:00-11:50AM in Sage 3303
Labs: Wednesday, different times for different sections; in-person
Tests: Mondays, 6:00-7:50PM

"zyBook" digital edition of Computer Organization and Design MIPS edition, 6th ed. by Patterson and Hennessy
"CPL" The C Programming Language by Kernighan and Ritchie (for reference)

Week	Readings	Monday	Tuesday	Wednesday	Thursday	Friday
1	**CPL**, **zyBook**: week #1	**8/29**: Syllabus, Schedule, Course Overview, C		**8/31**: [Lab 01]	**9/1**: C, Memory Allocation, C Libraries, I/O, Strings	
2	**zyBook**: week #2	**9/5**:No classes Labor Day	**9/6**:Follow a Monday Schedule. C, Memory Allocation, Linux OS basics	**9/7**: [Lab 02]	**9/8**: Unix shells, File I/O	
3	**zyBook**: week #3	**9/12**: Process Management, Parallelism **HW 1 due**		**9/14**: [Lab 03]	**9/15**: Performance	
4	**zyBook**: week #4	**9/19**: MIPS Assembly Language		**9/21**: [Lab 04]	**9/22**: MIPS memory access, integer representation **HW 2 due**	
5	**zyBook**: week #5	**9/26**: MIPS stack and procedures		**9/28**: [Q/A Lab]	**9/29**: Instruction Sets	
6	**zyBook**: week #6	**10/3**: Boolean Logic, Gates **Test 1**		**10/5**: Lab 05]	**10/6**: Logic Design **HW 3 due**	
7	**zyBook**: week #7	**10/10**: No classes Columbus Day	**10/11**: No class Follow a Tuesday Schedule.	**10/12**: [Lab 06]	**10/13**: Logic Design	
8	**zyBook**: week #8	**10/17**: Logic Design		**10/19**: [Lab 07]	**10/20**: Logic Design **HW 4 due**	
9	**zyBook**: week #9	**10/24**: Processor, Datapath, Control, Performance		**10/26**: [Q/A Lab]	**10/27**: Processor, Datapath, Control	
10	**zyBook**: week #10	**10/31**: Pipelining **Test 2**		**11/2**: [Lab 08]	**11/3**: Pipelining, Hazards **HW 5 due**	
11	**zyBook**: week #11	**11/7**: Memory		**11/9**: [Lab 09]	**11/10**: Memory, Caching	
12	**zyBook**: week #12	**11/14**: Memory, Caching		**11/16**: [Lab 10]	**11/17**: Virtual Memory, Translation Lookaside Buffer **HW 6 due**	
13	**zyBook**: week #13	**11/21**: Parallel Programming		**11/23**: No classes Thanksgiving Break	**11/24**: No classes Thanksgiving Break	
14	**zyBook**: week #14	**11/28**:Parallel Programming, GPUs, Threads **HW 7 due**		**11/30**: [Q/A Lab]	**12/1**: Parallel Programming	
15	**zyBook**: week #15	**12/5**: Parallel Programming **Test 3**		**12/7**: [Q/A Lab]	**12/8**: Conclusions and discussion **Project due**	

Schedule is tentative and subject to change – Last updated: August 25, 2022