CSE 3724 Computer Organization
Syllabus – Fall 2023

Instructor	Devin Neal		
	Email	dneal@cse.msstate.edu	
	Office Hours		
	MWF	11:00am - 1:00pm	Butler 204
	TR	11:00am - 12:00pm	Butler 204

Lecture Section	MWF (Section 01)	8:00am - 8:50am	McCool 116
	MWF (Section 02)	10:00am - 10:50am	Lloyd Ricks 75
	M (Lab Section 03)	3:30pm - 5:20pm	McCain 190
	T (Lab Section 04)	6:30pm - 8:20pm	Butler 100

Final Exam: Final Exam Schedule

Prerequisites   Grade of C of better in CSE 1384 (Intermediate Computer Programming).

Outcomes

1. Ability to design simple combinational and sequential logic circuits

2. Understand and use binary data representations

3. Use logic circuits to design the ALU, memory, and I/O subsystems of a CPU

4. Program a CPU in machine and assembly language

5. Recognize the relationship between high level programming languages and the hardware used in stored program computers to execute programs.

Textbook   Recommended: *The Elements of Computing Systems: Building a Modern Computer from First Principles, Second Edition, MIT Press, Noam Nisan and Shimon Schocken.*

Grading Policy   There will be homework and quizzes given throughout the semester. Depending on the number of these given, 1-2 of the lowest grades will be dropped from each category.

Points Distribution		Grades	
Projects	50%	A	90% - 100%
Quizzes	20%	B	80% - 89%
Exams	30%	C	65% - 79%
		D	50% - 64%
Total:	100%	F	less than 50%

Classwork Notice   *All* work is to be completed independently unless explicitly told otherwise by the instructor. This includes (but is not limited to) online resources (such as Chegg, geekforgeek, etc), help from another classmate, and help from an individual not in the class. The only acceptable help on assignments will be the instructor themselves or any TA associated **with the class**.

Announcements   Students are responsible for having their announcement notifications on in Canvas. Important information regarding the class may be distributed via announcements. Students should make sure they are able to reliably see this information.

Attendance Policy   We will follow the Mississippi State University Policy on Class Attendance and Reporting Absences

Occasionally students miss examinations. If you know in advance that you will be absent, you must meet with me before the date of the exam and I will let you know whether or not the absence will be excused. If your absence will be excused you may take the exam at a mutually convenient day/time.

If you miss an exam unexpectedly, you must meet with me at the earliest opportunity possible after the absence and provide documentation to support your claim that the absence should be considered excused. If the absence is excused, I will substitute your final exam score for the missed exam. For unexcused absences from exams you will receive a score of zero points.

Auditing students are expected to attend class unless there is an exceptional reason (see the policy link above). Auditing students are not required to attend labs, take tests, or take quizzes.

Add/Drop Policy   Please see the Mississippi State University Add/Drop Policy if you have any questions.

The Academic Calendar available from the Registrar contains the most up to date information on Add/Drop deadlines.

Last day to drop a course without a grade	August 22, 11:59pm
Last day to add a course	August 23, 8:00am
Last day to drop a course with a W	October 5, 5:00pm
Last day to withdraw from the University	November 13

Student Honor Code

Mississippi State University has an approved Honor Code that applies to all students. The code is as follows:

*"As a Mississippi State University student I will conduct myself with honor
and integrity at all times. I will not lie, cheat, or steal, nor will I
accept the actions of those who do."*

Upon accepting admission to Mississippi State University, a student immediately assumes a commitment to uphold the Honor Code, to accept responsibility for learning, and to follow the philosophy and rules of the Honor Code. Students will be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the MSU community from the requirements or the processes of the Honor Code.

You may work with other students on homework. All quizzes and tests are individual assignments unless otherwise specified in the assignment.

For additional information please review:
    Computer Science & Engineering Department Academic Honesty Policy
    Mississippi State University Honor Code

Title IX

MSU is committed to complying with Title IX, a federal law that prohibits discrimination, including violence and harassment, based on sex. This means that MSU's educational programs and activities must be free from sex discrimination, sexual harassment, and other forms of sexual misconduct. If you or someone you know has experienced sex discrimination, sexual violence and/or harassment by any member of the university community, you are encouraged to report the conduct to MSU's Director of Title IX/EEO Programs at 662-325-8124 or by e-mail to titleix@msstate.edu. Additional resources are available at http://www.msstate.edu/web/security and at http://students.msstate.edu/sexualmisconduct/ .

Student Resources

Students who need academic accommodations based on a disability should visit the Office of Student Support Services, 01 Montgomery Hall, call 662-325-3335, or visit the website at http://www.sss.msstate.edu .

Mississippi State University also has counseling services available to all students through the MSU Student Counseling Services Center. They have counselors available and offer workshops, individual sessions, group sessions, walk-in urgent care, consultations, and referrals.

University Safety Statement   Mississippi State University values the safety of all campus community members. Students are encouraged to register for Maroon Alert texts and to download the Everbridge App. Visit the Personal Information section in Banner on your mystate portal to register. To report suspicious activity or to request a courtesy escort via Safe Walk, call University Police at 662-325-2121, or in case of emergency, call 911. For more information regarding safety and to view available training resources, including helpful videos, visit ready.msstate.edu.

Computer Information   Information on computer requirements for the Bagley College of Engineering can be found at https://www.bagley.msstate.edu/computer/

Information for Distance Students   The above policies apply to distance students with the following additions:

- Office Hours: Instructors and Teaching Assistant will be available for consultation during their regularly scheduled office hours via Slack (or similar real-time communication program). Email will be used for consultation outside of office hours, but distance students should not expect responses outside of normal working hours (9am-5pm Central Time) for the MSU Starkville campus.

- Homework, quizzes, and the final exam must be completed on-line in Canvas on their scheduled day (before 11:59 pm Central Time). Students are responsible for the quality of their own internet connection. Connectivity issues are not permissible excuses for missing a test, quiz, or final exam.

- Attending class will consist of viewing a recorded lecture within 48 hours of its release and completing any assigned tasks (discussion board posts, writing and running small example programs, etc.).

Video Access   Access to all course materials, including any audio or video recordings, will be through Canvas.

Technical Assistance   If you have questions about material for this course, please contact the instructor via email. Contact engr-dist-support@lists.msstated.edu or www.bagley.msstate.edu/distance for technical questions.