CS 2650 Computer Organization and Architecture - Online

Instructor	Joshua N. Jensen Office: TE 110B Phone: 801-626-7753 Email: IAmCaptainCode+2650@gmail.com (preferred) joshuajensen1@weber.edu (Slow) Office Hours: M/W 9:20-10:40 AM, T/R 10:50-12:00 PM
Classroom	Online
Textbook	The Essentials of Computer Organization and Architecture (3rd edition); Jones & Bartlett Learning, Null, and Lobur. ISBN: 978-1-4496-0006-8
Class Description	This course is structured to provide each student with a knowledge of the basics of computer architecture. Specifically, this course will emphasize the PC architecture. In addition each student will gain a familiarity with Assembler programming for the Intel family of processors.
Objectives	At the completion of this course, students will have a knowledge of CPUs, BIOS, interrupts, addressing, memory management, types of disk drives, busses, video cards, modems, network cards, hardware compatibility, and basic digital circuit concepts. Each student will also be able discuss the pros and cons of various computer configurations.
Class Format	Classes will consist of lecture, group discussion, assignments, quizzes, and exams. Questions and comments are highly encouraged as they help me gauge your learning.
Assignments	There will be 4 Assembler Programming Assignments.
Quizzes	There will be 9 weekly quizzes. They will be timed and administered through WSU Online (Canvas.) Each quiz will be available for the period of one week. They **cannot** be taken late, so it is your responsibility to plan ahead complete them on time.
Exams	There will be two exams in this course. A midterm and a final exam. Both will be comprehensive, timed, and administered through Chi Tester. They will be made available through all University testing centers. It is your responsibility to check and plan ahead for the hours of the testing centers. Arrangements may be made to take an exam early, but they will not be administered late. No exceptions. If you live over 50 miles away from a WSU testing facility you need to arrange a proctor for yourself. For more information go here: http://departments.weber.edu/ce/distancelearning/testing.aspx
Accommodations for disabilities	Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD) in room 181 of the Student Services Center.
Grade Breakdown	Exams 30 % Online Participation 30 % Quizzes 20 % Assignments 20 %
Grading Standards	Standard grading will apply: A 100-94 C+ 79-77 E 59 or below A- 93-90 C 76-70 B+ 89-87 D+ 69-67 B 86-84 D 66-64 B- 83-80 D- 63-60
Allocated Time	You should anticipate spending two to three hours of study per week for each credit hour of a university course. Computer and programming classes typically require time in the upper range.
Policies	**Late Policy:** It is your responsibility to make sure that you meet the schedule of this course. Assembler assignments

are on an all or nothing basis. If you are required to re-submit, or submit an assignment late the following late policy will apply.
<= 1 week past the due date: 25% penalty.
<= 2 weeks past the due date: 35% penalty.
<= 3 weeks past the due date: 45% penalty.
<= 4 weeks past the due date: 55% penalty.
> 4 weeks: 75% penalty.

Exceptions to this policy will only be granted in extreme circumstances, and must be arranged prior to the due date.

Do resist the urge to send email, texts or tweets, check Facebook, read the news, play games or otherwise engage online via your computer or phone during class! It is disrespectful to me, and to your fellow classmates.

Cheating:

I have zero tolerance for cheating, and it will not be tolerated under any circumstance. Students are expected to maintain academic ethics and integrity in regard to performing their own work. The WSU Student Code clarifies cheating.
Cheating, which includes but is not limited to:

1. Copying from another student's test paper;
2. Using materials during a test not authorized by the person giving the test;
3. Collaborating with any other person during a test without authority;
4. Knowingly obtaining, using, buying, selling, transporting, or soliciting in whole or in part the contents of any test, without authorization of the appropriate official;
5. Bribing any other person to obtain any test;
6. Soliciting or receiving unauthorized information about any test;
7. Substituting for another student or permitting any other person to substitute for oneself to take a test;
8. Plagiarism, which is the unacknowledged (uncited) use of any other person of group's ideas or work. This includes purchased or borrowed papers;
9. Collusion, which is the unauthorized collaboration with another person in preparing work offered for credit;
10. Falsification, which is the intentional and unauthorized altering or inventing of any information of citation in an academic exercise, activity, or record-keeping process;
11. Giving, selling or receiving unauthorized course or test information;
12. Using any unauthorized resource or aid in the preparation or completion of any course work, exercise or activity;
13. Infringing on the copyright law of the United States which prohibits the making of reproductions of copyrighted material except under certain specified conditions;

CS Department policy dictates that any verifiable evidence of student academic cheating, as defined and determined by the instructor, will result in: 1) an automatic failing grade for the class and 2) a report to the Dean of Students that will include the student's name and a description of the student's dishonest conduct.

The University affords you certain rights, including the right to challenge the accusation of cheating. The Dean of Students will explains these rights to you if you are accused of cheating.

WSU subscribes to TurnItIn.com, an electronic service that verifies the originality of student work. Enrollment in this course may require you to submit some or all of your assignments to it this semester, and documents submitted to TurnItIn.com are retained, anonymously, in their databases. Continued enrollment in this course constitutes an understanding of and agreement with this policy.

Due Date	Day	
Jan 13	Sun	Quiz 1 Week 1 Discussion
Jan 20	Sun	Quiz 2 Week 2 Discussion
Jan 27	Sun	Quiz 3 Week 3 Discussion
Feb 3	Sun	Quiz 4 Week 4 Discussion
Feb 10	Sun	Quiz 5 Week 5 Discussion
Feb 17	Sun	Quiz 6 Week 6 Discussion
Feb 24	Sun	Quiz 7 Week 7 Discussion
Mar 3	Sun	Quiz 8 Week 8 Discussion
Mar 16	Sat	Midterm Exam
Mar 17	Sun	Week 9 Discussion
Mar 24	Sun	Week 10 Discussion
Mar 25	Mon	Assembler #1
Mar 31	Sun	Week 11 Discussion
Apr 1	Mon	Assembler #2
Apr 7	Sun	Week 12 Discussion
Apr 8	Mon	Assembler #3
Apr 14	Sun	Quiz 9 Week 13 Discussion
Apr 15	Mon	Assembler #4
Apr 21	Sun	Week 14 Discussion
Apr 25	Thu	Final Exam