

CSCE 212: Introduction to Computer Architecture

Meeting times: TTH 11:00-12:15

Locations: Swearingen 2A19

Textbook: *Computer Organization and Design: The Hardware/Software Interface 4/e*
by John Hennessy and David Patterson
Morgan Kaufmann (Elsevier) Publishers

Prerequisites: CSCE 211 (Digital Logic Design) and [CSCE 145 (Alg. Des. I) or CSCE 206 (Sci. Appl. Prog.)]

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Teaching Ass't: Krishna K. Nagar
Duties: Grading quizzes and projects
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Course organization:

	Topic	Lectures
MIPS Instruction Set Architecture		4 weeks
Performance		1 week
Midterm -- before 2/18 (2/22 is drop date)		
Computer Arithmetic		3.5 weeks
Processor Design / Micro-architecture		4 weeks
Memory		1.5 week
Final Exam – 5/5 9am		

Grading structure:

Chapter quizzes (~7)	30% (4.29% each)
Projects (3)	30% (10% each)
Exams (2)	40% (20% each)

Grading scale:

A	90 ≤ score ≤ 100%
B+	85 ≤ score < 90%
B	80 ≤ score < 85%
C+	75 ≤ score < 80%
C	70 ≤ score < 75%
D+	65 ≤ score < 70%
D	60 ≤ score < 65%
F	score < 60

Electronic resources

1. Projects are submitted via the **CSE "Moodle" Dropbox**.
(<http://dropbox.cse.sc.edu>)
This is the only function that I use on this site.
2. Grades are disseminated via **USC Blackboard**.
(<http://blackboard.sc.edu>)
This is the only function that I use on this site.
3. Up-to-date schedule, downloads, announcements, links to useful information, and project descriptions are disseminated via my **departmental website**.
(<http://www.cse.sc.edu/~jbakos/212>)
4. The **SPIM** simulator is installed in the college Windows labs (1D11, 1D15), but many students prefer to install it on their own PCs. SPIM is available for free on the Internet (see the course website). Students that have Linux or MacOS-based PCs should instead use **MARS**, a Java-based MIPS simulator.
5. Urgent course announcements are broadcast on the course website and to your **university e-mail** (@email.sc.edu). Please regularly check (or forward) this account.

Policy on late submissions

Late projects will be charged a 10% grade penalty for each weekday after the due date (capped at a maximum of 30%).

At most, you may only submit only two versions of any single project (i.e. an original submission and one updated submission).

Academic honesty policy

Students are encouraged to assist their colleagues for the purpose of overcoming technical challenges related to the use of the programming tools (i.e. SPIM). However, any collaboration beyond these exceptions is prohibited and is subject to the university's guidelines, regulations, and policies regarding academic dishonesty.

Students with disabilities

Any student with a documented disability should contact the Office of Student Disability Services at 777.6142 to make arrangements for appropriate accommodations.

Syllabus change policy

This syllabus is a guideline for the course and is subject to change with advance notice.