Lecture: Tu/Th 2-3:15pm, Monteith 101

Lab: Section 1: Wed 10am-12pm ITEB138
Section 2: Wed 12-2pm ITEB 134

Instructor: Ion Mandoiu
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Prerequisites: **CSE 207** and **CSE 208W**

Course Goals: This course will give you an in-depth understanding of the structure and operation of modern digital computer systems and the tradeoffs present at the hardware-software interface.

Course Content: Topics to be covered in lectures include basic machine organization and abstractions, performance evaluation, integer and floating-point arithmetic, instruction set architectures, single and multiple cycle data path and control, pipelining, memory system organization, the I/O subsystem. The lab will cover basic MIPS assembly language programming using the SPIM simulator.


Grading: The final grade will be based on bi-weekly homework assignments (20%), a mid-term exam (20%), a comprehensive final exam (30%), bi-weekly lab assignments (30%).

Homework Policy: Homework assignments are due at the beginning of the lecture on the due date. Lab assignments are due by e-mail to chadi@engr.uconn.edu by midnight of the due date. To allow timely grading and dissemination of solutions, no late assignments will be accepted except for documented medical emergencies.

WebCT: We have a WebCT website for the class. Check this site regularly for class-related materials, grades, changes in class schedule, and other announcements.

Collaboration and Academic Integrity: Discussions with other students on homework problems and lab assignments are strongly encouraged; you are particularly encouraged to use the discussion tool on the WebCT site for course related discussions. However, submitted solutions to the homework and lab assignments must be your own work. Violations will be reviewed and sanctioned according to the University Policy on Academic Integrity.