

Class time/place: TTH 5:45PM-7:05PM LC0004

Instructor: Mariya Zheleva

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Office: LI95F

Office hours: T 3:00PM-4:15PM, TH 2:00PM-3:15PM

Co-instructor: Prof. Seth Chaiken

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TAs:

Jingman Xie

E-mail: jxie@albany.edu

Office hours: Th 3PM-5PM F 1PM-3PM in LI69Q

David Vadney

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Office hours: MW 4:15PM-5:45PM in LI95G

Trey Huang

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Office hours: W 4:30PM-6PM F 4PM-5:30PM in LI95G

Course objectives:

- Learn how data is represented in a computer
- Learn the building blocks of a computer
- Learn about processor implementation
- Improve assembly programming skills
- Improve C programming skills
- Learn git

Prerequisites: CSI210 and CSI333

Textbooks:

- Required – “Computer Organization and Design, Fifth Edition: The Hardware/Software Interface” (The Morgan Kaufmann Series in Computer Architecture and Design) by Patterson and Hennessy
- Recommended
 - A good C-programming book such as
 - “How to program, 7th edition” by Deitel and Deitel
 - “C: A reference manual”, 5th edition, by Harbison and Steele
 - Online tutorials such as <http://www.cprogramming.com/>
 - “MIPS assembly language programming” by Daniel Ellard available here <http://www.cs.albany.edu/~mariya/docs/mipsassemblytutorial.pdf>

Cheating:

You are encouraged to collaborate; this is a valuable part of your learning experience. Thus, you should feel free to study together and discuss lectures and software solutions. Cheating,

however, is not tolerated. Please, read the university Community Rights and Responsibilities (http://www.albany.edu/studentconduct/Section3_Prohibited_Conduct.php) for more information on cheating. Students caught cheating will receive 0 points for the corresponding assignment and will be reported.

All your homework and programming assignments should be completed individually and while you are encouraged to discuss the problems, you **may not copy any solutions or code from your classmates**. If you get stuck, do not show code or solutions to your classmates; these are to be discussed with the instructor and the TAs. Here are some examples, which will be considered cheating:

- Turning in duplicate work (even a single line)
- Copy work from another student (even a single line)
- Copy code/text from an online source (even a single line)
- Lend another student your assignment
- Look through other students' code to fix your program
- Complete other students' assignment/program
- Email your answers/code to another student
- Store your work on a computer to which other students have access
- Post code or homework answers to *Blackboard*. If you get stuck and need help, do not post code or homework answers to Blackboard forums, instead make use of instructor's and TAs' office hours to ask for help.

Late policy: Late assignments will be penalized 10% if submitted up to 24 hours after the deadline. Anything submitted more than 24 hours after the deadline will receive 0 points. **NO EXCEPTIONS WILL BE MADE**; my policy is the same regardless whether you are late due to negligence or due to circumstances that are not under your control.

Grading:

- Assignments (homework + programming) – 30%
- Attendance (index card quizzes) – 5%
- Midterms (closed book) – 30%
- Final exam (closed book) – 35%

Re-grading: Any requests for regrading will be considered if submitted by 5 business days after the grades have been released. In order to be considered for re-grading you should first email me; include "CSI404 re-grading request" in your email.

Announcements will be made through Blackboard.

Assignments: Homework assignments will be posted on Blackboard. For each programming assignment the student will pull a repository from GIT into his/her itsunix account, add the assigned work and then push that repository to our server for grading. Detailed instructions will be in the first programming assignment.

E-mails: Make sure your email subject begins with "CSI404:". Emails not complying to this rule might be filtered and not considered.

Make up exams: there are no makeup exams. The only excused absence for exams is in case of

(i) death of immediate family (siblings, parents, grandparents) with documentation and (ii) required hospitalization with documentation.

Attendance: You are expected to attend every class. You are responsible for all announcements made in class (e.g. changes in due date).