CSCI 260 - Computer Architecture II
Spring 2019

Meeting Time: Monday, Wednesday $7^{00} - 8^{15}$ PM, HN-510

Instructors Instructor: Subash Shankar (`subash.shankar@hunter.cuny.edu`)
Graduate TA: Soumik Dey (`zionsoumik@gmail.com`)
Undergraduate TAs (office hours)

Office Hours: Shankar: Mon $3^{30} - 5^{30}$ PM or by appt. (HN-1000F) (grad advising gets priority after 5)
GTA: Tue $1^{00} - 2^{00}$ PM, Fri $4^{00} - 5^{00}$ PM (HN-1000G)
UTAs: Mon $5^{00} - 6^{00}$ PM, Wed $5^{00} - 6^{00}$ PM, Thu $1^{00} - 3^{00}$ PM
The UTAs will also serve as tutors, and their office hours will be held in Skirball (HE-7th floor).

Contact: All technical questions should be posted on piazza (see below). If you have personal questions, you may contact me at `subash.shankar@hunter.cuny.edu`.

Bulletin Board: You should check Blackboard (`http://bb.hunter.cuny.edu`) daily, since all class material (schedule, reading lists, homework, corrections, etc.) will be posted there. Please make sure you have configured bb to use your prefered email address, since you are responsible for any email I might send to that address (your Hunter email address, by default). We will use Piazza (`piazza.com/hunter.cuny/spring2019/csci260sec01/home`) for discussions about *course content*.

Prerequisites: CSCI 135 and CSCI 160 with a grade of C or better. You should be very comfortable with binary numbers, and be able to do conversions instantaneously. You should also know the basic combinational and sequential hardware elements well.

Text: David Patterson and John Hennessy, Computer Organization & Design - The Hardware/Software Interface, 5th Edition, ISBN 978-0-12-407726-3. I will also post some material that is only in earlier editions.

Reading: You are responsible for all the material on the reading list, even though the lectures will not cover a considerable portion of it. I expect to cover most of Chapters 1-2, 4, appendix A, B, and D (B and D are reviews of 160).

Grading: 74% Tests

18% Homework

8% Project

I may also add points for those who actively participate in class. Although the homework points may seem small, you will almost certainly fail the tests without doing homework. Final letter grades will be based on a curve.

Homework: THIS IS A HOMEWORK-INTENSIVE COURSE, with approximately one homework due every week! Assignments will be posted on the bulletin board, and are due at the beginning of class on the due date. **Each homework problem must be on its own page, and labeled with your password only** (*i.e.*, **no name**) as any homework with identifing information gets a 0.

Homework problems are discussed when handed back, *if* you ask me to. If you don't ask any questions, I will assume you find the homework easy. If you are too shy to ask questions, you are too dumb to take this (or any other) course. If you don't understand the material but don't ask questions, you will probably be taking this course again.

You are encouraged to work with others when learning the material and doing homework. However, all submitted work should be written (not copied) by yourself. It is standard professional practice to acknowledge any assistance you might have received in your homework, including any work done in a group. I will be strictly enforcing this, and any uncited work along with will get a 0 and be prosecuted as plagiarism.

Tests: There will be 2-3 tests. Most test questions will be conceptual and will require a good understanding of the material rather than rote memorization. Thus, you should concentrate on understanding the concepts and knowing how to apply the material instead of memorizing trivia.

Late Policy: No late homework is accepted, though you should still do it to learn the material.

Make-up tests are not given under any circumstances. If there are extraordinary circumstances why you are unable to take a test, you must provide documentation *prior* to the test to avoid getting a zero.

Other: I ask that all **cell phones** be turned off in class.

All course material (including lectures, solutions, etc.) is owned by me and protected by **copyright**. You may use material for yourself, but any other use (including posting on websites, whether free or not) is illegal without my express written permission.

I take **academic honesty** very seriously, and any violation results in an automatic F for the course along with sanctions in accordance with Hunter College procedure. The official college statement is:

Hunter College regards acts of academic dishonesty (*e.g.*, plagiarism, cheating on examinations, obtaining unfair advantage, and falsification of records and official documents) as serious offenses against the values of intellectual honesty. The College is committed to enforcing the CUNY Policy on Academic Integrity and will pursue cases of academic dishonesty according to the Hunter College Academic Integrity Procedures.

In compliance with the **American Disability Act** of 1990 (ADA) and with Section 504 of the Rehabilitation Act of 1973, Hunter College is committed to ensuring educational parity and accommodations for all students with documented disabilities and/or medical conditions. It is recommended that all students with documented disabilities (Emotional, Medical, Physical and/or Learning) consult the Office of Accessability located in Room E1124 to secure necessary academic accommodations. For further information and assistance please call (212-772-4857)/TTY (212-650-3230).

In compliance with the **CUNY Policy on Sexual Misconduct**, Hunter College reaffirms the prohibition of any sexual misconduct, which includes sexual violence, sexual harassment, and gender-based harassment retaliation against students, employees, or visitors, as well as certain intimate relationships. Students who have experienced any form of sexual violence on or off campus (including CUNY-sponsored trips and events) are entitled to the rights outlined in the Bill of Rights for Hunter College.

   a. Sexual Violence: Students are strongly encouraged to immediately report the incident by calling 911, contacting NYPD Special Victims Division Hotline (646-610-7272) or their local police precinct, or contacting the College's Public Safety Office (212-772-4444).

   b. All Other Forms of Sexual Misconduct: Students are also encouraged to contact the College's Title IX Campus Coordinator, Dean John Rose (`jtrose@hunter.cuny.edu` or 212-650-3262) or Colleen Barry (`colleen.barry@hunter.cuny.edu` or 212-772-4534) and seek complimentary services through the Counseling and Wellness Services Office, Hunter East 1123.

CUNY Policy on Sexual Misconduct Link: `http://www.cuny.edu/about/administration/offices/la/Policy-on-SexualMisconduct-12-1-14-with-links.pdf`

This course partly meets the department's **learning outcomes** 1A, 1B, 1D, 3A-3D.

Any changes to this syllabus will be announced in class, and an updated syllabus will be posted on `bb`.