

CSCI 16000 §01 #3618
Computer Architecture I Summer 2021

Brandon Foster

Summer 2021

Text etc.: The text book for this class is *Digital Design*, 5th edition by M. Morris Mano & Michael D. Ciletti; Pearson Prentice Hall, 2012, ISBN10: 0132774208. Earlier or later editions are fine, but you may not have the “right” home work problems.

Additional course material and information can be found on the Blackboard course page. Please contact the Lecturer at Brandon.Foster81@myhunter.cuny.edu as soon as possible if you do not have access to the Blackboard course page, the course heavily depends on Blackboard access.

Finding your Lecturer: Office hours are Tues (4:00 pm - 6:00 pm) and Fri (4:00 pm - 6:00 pm). Office hours are handled on zoom, the link is provided on blackboard. Preferred method of contact is email at Brandon.Foster81@myhunter.cuny.edu. Also note that any email concerning anything that might fall under the FERPA regulations (e.g. questions about grades or other class related issues) must be sent from your “myhunter” or CUNY-related account.

Lectures and Attendance: Lectures are scheduled on BB Collab Ultra. If a change is made in meeting software (ex. Zoom), an announcement will be made before so on Blackboard. You should be scheduled for 6 “hours” (376 minutes) of lecture each week. Although lectures tend to have “one way” communication, questions are encouraged.

To get the most out of the lectures, you would do well to read ahead in the text book. Online board notes from the lecture will be available to read independently via Dropbox through our Blackboard course.

Attendance is mandatory for the lecture. Every three absences will reduce your grade by one, for example from a B+ to a B or from a B- to a C+. Please send an email if you cannot attend the day for a legitimate reason, you are responsible for the material missed that day.

Gradescope and Piazza/Discord: Gradescope (www.gradescope.com) will be used to collect homework, quizzes, and exams. Expect to get email from them at your “myhunter” or CUNY-related address. Piazza (piazza.com) or Discord (discordapp.com) will be used to facilitate discussions about class material. It will be monitored. Posts will be removed that are not about class material. This includes, but is not limited to personal remarks about other students or the instructional staff and discussions about choice of material or the delivery of the material.

Grades: Grades will be based on a midterm exam, a final exam, lecture participation, pop quizzes, and homework assignments.

- There will be 4-6 homework assignments worth a total of 10% of your grade.
- There will be 4-6 quizzes worth a total of 10% of your grade and will be surprises in the middle or end of lectures.
- Participation during lecture is worth a total of 10% of your grade. Ask questions. When answering another student’s question, provide feedback in a healthy way.
- The Midterm will be given during lecture on Mon, June 21st from 5:45 pm - 7:19 pm.
The Midterm will count for 25% of your grade. (Lecture will continue after the Midterm)
- The Final will be given during lecture on Mon, July 12th from 5:45 pm - 8:53 pm.
The Final will be 45% of your grade.

No Extra Credit: There will not be any ”extra credit” assignments. Do not expect to be able to pull up your grade by doing additional work. Do your work first, and avoid the problem. I can not stress “do the assigned home work problems” enough. The best way to do well in the class is to do well on the exams. The best way to do well on the exams is to do the assigned problems. Do them again before the exams. Do some unassigned problems if you want more practise. Be confident that you can do the problems before you take the exam.

Topics: We will cover topics in the following order.

Week	Subject	Chapter
1		
2	Digital Systems and Binary Numbers	Chapter 1
3	Boolean Algebra and Logic Gates	Chapter 2
4	Gate-Level Minimization	Chapter 3
5	MIDTERM, Combinational Logic	Chapter 4
6		
7	Synchronous Sequential Logic	Chapter 5
8	FINAL	

Policy on Academic Integrity: 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.

ADA Compliance: 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) or email accessab@hunter.cuny.edu.

Hunter College Policy on Sexual Misconduct: 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-Sexual-Misconduct-12-1-14-withlinks.pdf>

Electronics: I expect all cell phones, pagers, etc. to be inaudible during class. I expect laptops and other electronic devices, if used, to be used only for class related activities. Activities not related to class include but are not limited to facebook, twitter, other social networking websites, "surfing", email, mu*s, hulu, southparkstudios, etc. Any student with an electronic device that disrupts the class or is used for anything other than class related activities will lose two (2) points from their final average (per occurrence).

Note: Details of this document are subject to change if the need arises.