

CSCI 46000/79521 - Advanced Programming Languages

Spring 2021

Meeting Time Friday 5¹⁰ – 7⁵⁵ PM (On-line, synchronous)

Instructor Subash Shankar (subash.shankar@hunter.cuny.edu)

Office Hours Tuesday 3³⁰ – 5³⁰, or by appointment (zoom, see bb for link)

Prerequisites CSCI 265 and 335, or instructor approval.

Bulletin Board There will be an online course webpage using Blackboard (<http://bbhosted.cuny.edu>). You should check the page regularly, since all class material (reading lists, homeworks, corrections/clarifications of lectures, etc.) will be posted there. Please make sure you have configured bb to use your preferred email address, since you are responsible for any email I might send to that address (your Hunter email address, by default).

Texts The required text is: Robert Sebesta, Concepts of Programming Languages, 12th edition, ISBN 9780135160879. Additional on-line texts will be used for learning Haskell and Prolog (see bb for links). An optional Prolog textbook is Leon Sterling and Ehud Shapiro, The Art of Prolog, ISBN 0262193388.

Software All required software will be available on the department lab computers. You may choose to install them on your own system (links to be posted on bb), but you will need to run your programs on the lab computers before submitting.

Reading A reading list will be available on the class bulletin board, and will be updated through the semester. You are responsible for all the material in the reading list, even though the lectures will not cover a considerable portion of it. You should read the material *before* class, as lectures mostly present a different approach to the material you read.

Homework There will be work submitted approximately every two weeks, taking the form of homeworks or projects (programs). In accordance with department policy, at least one assignment will involve a >5 minute presentation or >500 word paper.

Grading 65% Homework (not weighted equally)

35% Final Exam

Extra credit may be given for high-quality participation.

Graduate students are required to use L^AT_EX, though you may choose to embed scanned figures.

Late Policy – < 8 hours: 5%

– < 24 hours: 10%

– Homework: Each additional calendar day: 10%, up to 40% off.

Programs: Each 2 additional days: 10%, up to 50% off.

Homeworks are not accepted more than 4 days late. Although projects are accepted later, procrastination only hurts yourself. No work is accepted after it is graded.

Remote Class This course is synchronous, and lectures are **not** recorded. Some lectures will have slides, which will be posted *after* the lecture.

Proctoring software, which may include the use of browser lock-downs and cameras may be used for examinations in this course.

Other 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 violations will be reported through Hunter's official 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 Accessibility 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/1a/Policy-on-SexualMisconduct-12-1-14-with-links.pdf>

This course partly meets all of the department's **learning outcomes**: 1A-1D, 2A-B, 3A-D.

This syllabus is subject to change, updated on bb.