

CS210: Programming Languages

Spring 2024

About the Course: This course is an introduction to programming languages and how they are implemented. The following is a list of the topics that will be covered from the textbook and the order in which they will likely be covered. The textbook for this course is required.

- Programming Languages (Chapter 1)
- Defining Program Syntax (Chapter 2)
- Syntax Meets Semantics (Chapter 3)
- Language Systems (Chapter 4)
- First Look at ML (Chapter 5)
- Types and Type Systems (Chapter 6)
- Second Look at ML (Chapter 7)
- Polymorphism (Chapter 8)
- Third Look at ML (Chapter 9)
- Scope (Chapter 10)
- Memory Locations for Variables (Chapter 12)
- First Look at Java (Chapter 13)
- Memory Management (Chapter 14)
- Second Look at Java (Chapter 15)
- Object Orientation (Chapter 16)

Textbook: “Modern Programming Languages: A Practical Introduction”, 2nd Edition, Adam Brooks Webber, Franklin, Beedle, and Associates, 2010. This textbook is required for the course. You are responsible for reading the textbook. Lectures in the course are intended to augment and expand upon topics presented in the textbook, and are not intended to serve as a substitute for reading the textbook.

Meeting Time: MWF 2:30 – 3:20 in EP 214.

Office Hours: MWF 12:30 – 1:20 in JEB 226. These are the best time to meet with me to discuss matters related to this course.

Assignments and Expectations: There will be homework assignments in this course. Assignments are not accepted late without a Very Good excuse. A Very Good excuse almost always contains a written note from a legal, medical, or university authority detailing specific reasons why you were not able to complete the assignment within the prescribed time.

Exams: There will be multiple midterm exams and a comprehensive final exam in the course. The midterm exams will be administered when the instructor thinks that it is time to examine your understanding of a block of material. All exams will be administered in person. The final exam will be administered on the following date:

Final Exam: 7 May (3:00 – 5:00)

Grading:

- Assignments (25%)
- Midterm exams (50%)
- Final Exam (25%)

The letter grade you earn in this course will be determined as follows:

- A: 100% - 90%
- B: 89.9% - 80%
- C: 79.9% - 70%
- D: 69.9% - 60%
- F: 59.9% - 0%

The instructor reserves the right to adjust these percentages lower if deemed necessary.

Academic Honesty: As a student enrolled at the University of Idaho, you are bound by the UI Student Code of Conduct. Article II, Section A.1 of this code addresses academic dishonesty. This code states “Academic honesty and integrity are core values at a university and the faculty finds that even one incident of academic dishonesty may merit expulsion. Instructors and students are jointly responsible for maintaining academic standards and integrity in university courses. In addition to any disciplinary sanctions imposed under the Code, additional consequences for academic dishonesty may be imposed by the course instructor, including issuing a grade of F in the course. Any grade issued by the course instructor, whether as a result of academic dishonesty or not, constitutes an academic evaluation and is not disciplinary action.” Academic honesty is vital in preserving the integrity of any academic institution. The Student Code of Conduct outlines the expected behavior of all students in all classes at UI. It can be found at <http://www.uidaho.edu/student-affairs/dean-of-students/student-conduct/student-code-of-conduct>.

Please do your own work in this course unless the instructor specifically directs otherwise. Academic dishonesty will be severely penalized.

University of Idaho Classroom Learning Civility Clause: In any environment where people gather to learn, it is essential that all people feel as free and safe as possible in their participation. To this end, it is expected that everyone in this course will be treated with mutual respect and civility, with an understanding that all of us (students, instructors, professors, guests, and teaching assistants) will be respectful and civil to one another in discussion, in action, in teaching, and in learning. Should you feel that our classroom interactions do not reflect an environment of civility and respect, you are encouraged to meet with your instructor during office hours to discuss your concern. Additional resources for expression of concern or requesting support include the Dean of Students office and staff (885-6757), the UI Counseling and Testing Center’s confidential services (885-6716), or the UI Office of Human Rights, Access, and Inclusion (885-4285).

Computer Science Support: For questions involving course content and assignments, please contact me or visit the Computer Science Assistance Center (CSAC) located in JEB211D. For technical issues involving computing equipment or other resources administered by the Computer Science department, please contact support@uidaho.edu.

Center for Disability Access and Resources Reasonable Accommodations Statement: Reasonable accommodations are available for students who have documented temporary or permanent disabilities. All accommodations must be approved through the Center for Disability Access and Resources located in the Bruce M. Pitman Center, Suite 127 in order to notify your instructor(s) as soon as possible regarding accommodation(s) needed for the course.

- Phone: 208-885-6307
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- Website: www.uidaho.edu/current-students/cdar