

CS 210 Programming Languages

Instructor Name: Julie “Dr. BC” Beeston

Instructors Office and Office hours:

Wed 10:00-12:00 Via Zoom

Wed 2:30-3:30 Via Zoom

and by appointment

Instructor contact info: JBeeston@uidaho.edu, 208-292-2671

Course Times and format: T, Th 12:30-1:45pm

204 Engineering Physics, Moscow

240B Harbor Center, CdA

Zoom

Textbook: Modern Programming Languages, Adam Brooks Webber, 2nd Edition, Franklin Beedle and Associates, 2011

Course Description and Goals: This course presents major features of programming languages, with primary emphasis on the role of particular language features in writing good software; programming language design alternatives; various programming paradigms embodied in languages, such as procedural, data-flow, functional and object-oriented languages.

Goals include: students learn various programming languages' strengths and weaknesses. They also learn basics of lexical analysis, parsing, semantic analysis, and error handling from a language implementer's point of view. After taking this course, students should understand several programming language paradigms, and have a feel for what kinds of problems are best solved in each language paradigm. They should have initial experience with formal languages, automata and grammars. Students will also have experience with lexical analyzers and parsers and with one or more non-procedural languages (e.g. Scheme, Lisp, Prolog, Icon, etc.).

Course Server: cs-210.cs.uidaho.edu

BB-Learn: We will use the [BB-Learn online tool for this course](#). All course-related materials will be posted in the CS210 course section in BB-Learn. To get started, go to bblearn.uidaho.edu, and log in with your NetID and password. You must submit your homework assignments through BB-Learn (or the course server). The deadlines for the assignment submissions are set in the relevant *Assignment Submission pages in BB-Learn*. Don't wait to submit your work until the last minute, or even the last hour: start early, and try to submit reasonably before the applicable (hard) deadline. Always submit your homework even if it is not complete. You will get partial credit for the procedure you had attempted, intermediate steps and results, etc. The same applies to programming assignments. Even if your program does not work, you may get some credit depending on the state of the program. Therefore, it is a good strategy to always submit something (as opposed to nothing), even if it isn't complete or correct, or (for programming parts) doesn't work. While there is no guarantee that you will get a particular amount or % of partial credit in any specific situation, what is certain is, you won't get any credit (0) if nothing is submitted.

Policies:

- http://wiki.cs.uidaho.edu/index.php/CS_Department_Policies
- http://wiki.cs.uidaho.edu/index.php/Academic_Integrity
- <https://www.uidaho.edu/faculty-staff/faculty-secretary/semester-begins>

Attendance: You are expected to attend all scheduled classes and are responsible for all material presented in class and/or in assigned readings/homework. Contact me as soon as practical if you have a legitimate reason for missing any work (e.g. illness or death in the family). The sooner the better! In

most cases, some requirements can be modified or waived. It is solely your responsibility to obtain notes and make up work from any class/lab you missed! It is not the instructor's responsibility to provide notes, handouts or makeup exams that you may have missed, although she/he may do so.

Plagiarism: Plagiarism or cheating of any type will not be tolerated. This includes, but is not limited to, copying or collusion on programs, projects, assignments, abstracts, documentation, wandering eyes on tests, using homework assignments from a previous semester, turning in previously submitted term papers, using other person's computer accounts to do projects, programs, etc., getting other people to do your assignments, etc. NOTE: I do not mind you discussing the logical solution to problems, but not code, diagrams, or physical solutions of any type.

This explicitly includes the copying of portions of a book, article, or copying of an authority without explicitly crediting the author. If you are uncertain about how to cite other work properly, please ask me any time and I will give you some examples. In general, look at the research papers we discuss in class, they all cite other people's work. All textual assignments must include work written and conceived by the student, and cannot be simply an amalgamation of quotes from various sources. You may not use code you previously created in other classes.

If you plagiarize any assignment (homework, exams, projects etc.), I reserve the right to do any of the following, at my discretion:

- (1) Give a warning
- (2) Fail you on the portions I believe you plagiarized
- (3) Give a zero (or negative points) on the assignment which was plagiarized
- (4) Fail you for the entire class.

Grading:

- **Exams – 50%**
 - Midterm – 20%
 - Final Exam – 30%
- **Assignments – 50%**
- NOTE: *University of Idaho attendance policy is that a student can only miss as many classes as credits for that class. Failure to meet this can get you purged from the class!*

Final grade determination:

Percent	Grade
90-100	A
80-89.9	B
70-79.9	C
60-69.9	D
59.9 and lower	F

This is a rough guideline and we reserve the right to curve based on the averages in the class.

University of Idaho Classroom Learning Civility Clause

In any environment where people gather to learn, it is essential that all members feel as free and safe as possible in their participation. Therefore, we expect 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.

To that end, foul language, personal attacks and rudeness will not be tolerated.

Should you feel 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 (5-6757), the UI Counseling & Testing Center's confidential services (5-6716), or the UI Office of Human Rights, Access, & Inclusion (5-4285).

Center for Disability Access and Resources (CDAR) 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
- Email: cdar@uidaho.edu
- Website: www.uidaho.edu/current-students/cdar

Academic Integrity and 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 honesty. 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.

All student should review the full [Student Code of Conduct](#), the discussion of [Academic Integrity](#) and additional [student resources](#) from the Dean of Student's website.

Firearms (copied from UI):

The University of Idaho bans firearms from its property with only limited exceptions. One exception applies to persons who hold a valid Idaho enhanced concealed carry license, provided those firearms remain concealed at all times. If an enhanced concealed carry license holder's firearm is displayed, other than in necessary self-defense, it is a violation of University policy. Please contact local law enforcement (call 911) to report firearms on University property.

University of Idaho leadership remains committed to maintaining a safe work, living and learning environment on campus. We will not tolerate any threatening use of firearms or any other weapons. While authorized license holders may have familiarity and be at ease carrying a loaded firearm, we ask that they be aware that many people are not familiar with handguns and are uncomfortable in their presence.