

Course Name: CS 199 - Companion Class to CS 162

Credits: 2

Instructor Name: Eric Ianni

Instructor Email: iannie@oregonstate.edu

Course Description:

CS 199 is offered as a companion class to CS 162, Introduction to Computer Science II. This class is designed for students who are currently taking CS 162 or took the class earlier. This class will include a quick overview of CS 161, Introduction to Computer Science I. It will then review the techniques covered in CS 162 to assist students develop and hone programming skills.

Learning Resources:

Gaddis et al, Starting Out with C++: Early Objects (8th Ed.). ISBN-13: 978-0133360929 ISBN-10: 013336092X Digital: 9780133449198

Canvas:

This course will be delivered via Canvas where you will interact with your classmates and with your instructor. Within the course Canvas you will access the learning materials, such as the syllabus, class discussions, assignments, projects, and quizzes.

TEACH:

This course will use TEACH to submit most graded assignments.

Late Work:

Late work will not be accepted. This class relies on reviewing material in order to demonstrate principles. Allowing late work would push back that review process too far into each week, thus jeopardizing learning opportunities.

Assignments:

1. **Individual Labs/Programming Assignments:** Each student will work individually, without collaborating with other students, and complete the assigned labs. The labs will usually require the student to demonstrate mastery of a particular topic by designing and coding a program. The student will submit the requested files to TEACH. These will be graded on how well the program meets the specified requirements. Programs that do not compile on Flip will not receive any credit. All programs need to include a makefile and a README containing instructions for compiling.

Synchronous Sessions:

Tentatively held at 6pm Pacific using WebEx and will be recorded (most likely). Planned to be about one hour long each.

1. Topic Review - held Wednesday to review current topic in CS162
2. Office Hours - held either Friday or Saturday for students to ask questions or receive help

Class Participation:

Students are expected to participate in class discussions. Helping answer other students' questions helps everyone's learning experience. Each week the instructor will post discussion questions for the students to answer. It is required that each student will answer two of these questions. It is also required that each student respond to at least one post by another student. The expectation is that these will be substantive and not simple one sentence responses. It is best to err on the side of caution and put more effort into your responses than you would otherwise think necessary.

Extra Credit:

This class is all about reviewing material so students can better understand the concepts introduced in CS162. Therefore most extra credit will relate to helping each other during each week. If a student goes above and beyond the expected responses listed above it is possible to earn an extra 5% points on his or her final grade. This extra credit is not about the number of responses but the quality of them. The instructor wishes to reward those that go out of their way to help one another. There may also be Extra Credit assignments given throughout the course of the semester. These are entirely optional and can't hurt our grade.

Grading Breakdown:

This is a pass/no pass course. You will submit all coursework (exercises and reports) in TEACH and/or Canvas, as directed. All work must be submitted before 23:59 (**Pacific Time Zone**) on the date they are due. The passing standard for this course is an 80%. Also, in order to receive a passing grade, each student must achieve at least 60% in each of the following categories in addition to an overall grade of 80%.

- Class Participation – 20%
- Labs – 40%
- Projects – 40%

Policies for Communication and Information sharing:

- You **may** discuss (verbally) the meaning of assignments, general approaches, and strategies with other students in the course.
- You **may** show your code to the TAs or instructor for feedback and help.
- You **may not** share assignment code, pseudocode, or documentation of any kind with any other student in the course.
- You **may not** show your assignment code to another student in the course for any reason.
- You **may not** ask another student for help debugging your assignment code.
- You **may not** use or copy code from any other source, including the Internet.
- You **must** write your own code for your assignments.

Calendar:

Week	Topic(s)	Assignments
1	Introductions, CS 161 Review, Makefiles, multiple files, and pointers	Lab 1 & 2
2	Design and Testing	Project 1
3	Inheritance	Lab 3
4	Recursion	Lab 4
5	Polymorphism	Project 2
6	Linked Lists	Lab 5
7	Complexity, Searching and Sorting	Lab 6
8	Stacks and Queues	Project 3
9	STL, Templates, exceptions	Lab 7
10	Recursion vs Iteration	Lab 8
11	No New Topic	Lab 9

Academic Dishonesty:

If you are found in violation of any of the above policies, whether you are the giver or receiver of help, you will receive a zero on the assignment or fail the course (Instructor's discretion). The academic dishonesty charge will be documented and sent to your school's dean and the Office of Student Conduct. The first offense results in a warning; the second offense results in an academic dishonesty charge on your transcript, a disciplinary hearing, and possible expulsion.

Please, read the [department](#), [college](#), and university dishonesty policy, [OAR 576-015-0020 \(2\) Academic or Scholarly Dishonesty](#)

Students with Disabilities

"Accommodations are collaborative efforts between students, faculty and Disability Access Services (DAS). Students with accommodations approved through DAS are responsible for contacting the faculty member in charge of the course prior to or during the first week of the term to discuss accommodations. Students who believe they are eligible for accommodations but who have not yet obtained approval through DAS should contact DAS immediately at (541) 737-4098."

Students with documented disabilities who may need accommodations, who have any emergency medical information the instructor should be aware of, or who need special arrangements in the event of evacuation, should make an appointment with the instructor as early as possible, and no later than the first week of the term. Class materials will be made available in an accessible format upon request.

Getting assistance:

- Your first line of assistance should be to take a break, skim through the book, lectures, notes, and Internet
- If you cannot find the answer yourself after some searching, you should then communicate with your fellow classmates, (remember that I want you to learn the basics in whatever way works best for you!)
- If you and your classmates cannot find a solution, then asking the TAs or me by discussion board or chat would be next
- Contacting us by email is a poor way to ask a question, not because email is bad, but that classroom learning should benefit the whole class
- Remember to form study groups or come to office hours
- We have several methods of communicating, but I would prefer we use a discussion board so that we can refer back to our previous discussions and citations.