

CIS22C: Syllabus

Course: CIS22C C++ Programming Instructor: Grant Larkin email: larkingrant@fhda.edu

SCHEDULE Lecture TH 6:00-7:50 Lab H 4:30-5:45

OBJECTIVES Application of software engineering techniques to the design and development of large programs; data abstraction and structures and associated algorithms: stacks, queues, linked lists, trees, graphs, and hash tables; internal and external sorting; use of recursion; team project.

PREREQUISITES Computer Information Systems 22B or equivalent. Advisory: Mathematics 212 or equivalent.

REQUIRED TEXT Data Structures & Algorithms in C++ Goodrich, Tamassia, Mount ISBN 978-0-470-38327-8

GRADE Labs 50% Tests 20% Project 20% Exercises/Quizzes 10%

COMPUTER USAGE The classroom provides computers connected to the internet. The purpose is to access the in-class examples and to take notes. If you want to browse the internet, connect with your friends, or other non-related class activities, the classroom is not the place to do this. You may be asked to leave the classroom if it's determined you're using the computer for non-class related activities.

ATTENDANCE Attendance is not part of the grade calculation, and is optional. Please note that the instructor DOES NOT drop students from the course. This means that if your name appears on the class roster at the end of the course, you will receive a grade for the course.

QUIZZES/EXERCISES There will be at least one in-class unannounced quiz or in-class exercise per week, with no make-ups available. The quizzes typically cover topics from the previous lecture.

LABS Please follow the lab instructions carefully. Upload the C++ source file only to Catalyst by the due date. After uploading the C++ file, run your lab during lab hours within one week of the submission to Catalyst to receive full credit. Lab assignments are not accepted by email.

LATE LABS Each student is allowed 3 late days per quarter. After all the late days have been used, each late assignment will receive a maximum of 70%. Not all the late days can be used on one assignment. Labs more than 1 week late will receive 0 points.

TESTS There will be one midterm, and one final. The tests are open book, open computer, open notes.

EXTRA CREDIT Extra credit is available. Make your proposal for extra credit, in writing, to the instructor using the Catalyst email system. The instructor will then evaluate the extra credit to determine the points available.

HELP I am available after the lecture until 7:50, and also available online on Wednesdays from 4:30 to 5:45 in my online office hour. There are also qualified C++ tutors available in the computer lab. In Catalyst there is also an open forum where you can post questions, and anyone in the CIS22B course can answer. There have been cases where lab assignments have been posted to the internet to resolve issues, but this is an unapproved resolution.

CHEATING/PLAGARISM The use of the internet seems to have encouraged online cheating, copying and plagiarism. If it's determined that cheating/copying/plagiarising has occurred, a zero score for the assignment will be given to all the parties involved. It's often stated in former cases: "We study together, consequently our assignment are

almost the same." This is not an excuse for cheating/copying/plagiarism. Please refer to this website for a complete discussion of Plagiarism: <http://csmajor.stanford.edu/HonorCode.shtml>