CIS22C: Syllabus

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

SCHEDULE Lecture Hours TH 6:00-7:00 Lab Hours TH 7:00-7:50 Online Office Hour 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.

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

REQUIRED TEXT Data Abstraction & Problem Solving with C++, Carrano ISBN 0-13-292372-6

GRADE Labs 50% Tests 20% Project 20% Exercises/Quizzes 10%. The grade spread-sheet is uploaded to Catalyst at regular intervals, encoded by a student "hash" code.

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.

GROUP PROJECT The CIS division has mandated CIS22C to have a group project. The group project will be distributed in 2 weeks from the course start date, and details provided at that time. Groups will be assigned by instructor.

QUIZZES/EXERCISES Expect random quizzes or exercises. The purpose of these quizzes or exercises are cover topics not big enough to cover in a lab assignment.

LABS Please follow the lab instructions carefully. Depending on difficulty, the labs are due by default in 1 week, unless otherwise noted. Upload the C++ source file only to Catalyst by the due date. If the there are multiple .CPP or .H files, please combine them into one source file that compiles before uploading. Lab assignments are not accepted by email. All code must compile with Microsoft Visual Studio, 2013 or greater. This includes any source code generated by any other compiler, including Macintosh versions.

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. Extra credit should cover new materials not previously covered materials.

HELP I am available after the lecture until 7:50, and also available online on Thursdays 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/plagarising 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/plagarism. Please refer to this website for a complete discussion of Plagarism: http://csmajor.stanford.edu/HonorCode.shtml

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