CIS29: Syllabus
Course: CIS29 Advanced C++ Programming
Instructor: Grant Larkin
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Schedule:
       Lecture - 6:00 -> 6:50
       Lab   - 7:00 -> 7:50

Objectives:
Learn Advanced C++ language features and techniques to design and program classical computer
and not-so-classical algorithms. Topics include: Templates, Exceptions, Lambda expressions, STL
Containers/Algorithms, Threading, Sockets, the new C++11/14 features, and basic UML.

Prerequisites:
       CIS22B or CIS27

Recommended Text:
The C++ Programming Language, 4th Edition
                Author: Stroustrup, Bjarne
                ISBN: 0321563840
Overview of the New C++ (C++11/14)
                Author: Scott Meyers
                http://www.artima.com/ebook?n=0u5KizF94v

Grade:
       Labs - 50%
       Tests - 30%
       Exercises - 20%

Labs:
Upload your .CPP and .H files to the assignment in Catalyst. Labs will be assigned and due at 10
day intervals (including weekends), and each lab will be introduced before the previous lab is due.
Late labs will be accepted up to 3 days after the assignment is due, with a reduced maximum score
of 70%.

Tests:
There will be one midterm and one final. Open book, open notes, open computer.

Exercises:
Exercises will be periodically assigned. The purpose of the exercises is to use some C++
techniques that are too short to assign in a lab assignment.

Cheating/Copying/Plagiarism:
With the introduction of the Internet into the academic environment, copying has become
epidemic. The main concern is your work must be your own, not a team effort or the result of
copying.