CoSci 440 SYLLABUS
Programming in C++

INSTRUCTOR **Mari Rettke** samusher@aol.com 818.470.8419 - cell
SECTION : **3197**

Note: ***Should you become unable to complete the class you must withdraw from the class prior to the cutoff date. Students that are enrolled in a class after the last date to drop must receive a grade.***

Student Learning Outcomes:
Students will at the completion of the course be able to:

- Demonstrate an understanding of how C++ works by coding, debugging, and executing programs written in C++ using Object Oriented Programming techniques
- Demonstrate the use of Pointers, Dynamic Arrays, Overloaded Operators in executable programs.
- Apply programming logic by using selection, decision and repetition structures.
- Demonstrate an understanding of scope by referencing elements passed as parameters between modules in a project.

Assessment of student learning outcomes:
2 – EXEMPLARY **–** demonstrate sound understanding of program development by coding programs using C++ which are completely correct according to project specifications and will meet all criteria specified; adds specified optional program enhancements
1 **–** ACCEPTABLE – demonstrate sound understanding of program development by coding programs using C++ which are completely correct according to project specifications and will meet all criteria specified
0 – NOT ACCEPTABLE – does not meet the standards of acceptable above

DETERMINATION OF GRADE

1. **Attendance:**
   The class meets from 5:45 – 10:00 Monday. Attendance will affect your grade in a negative manner only. You may miss two class meetings without penalty. If you miss more than two meetings, 1 point will be subtracted from your final grade for each additional class missed. *Three cases of tardiness equal one absence*. Please call in 818.364.7742 or 818.470.8419 if you are going to miss class.

2. **Assignments, Exercises, and Quizzes:** (25%)
   Short programming exercises will be given each week. You are expected to complete these exercises during the lab time.

   There will be a chapter quiz on the material from the book and from the lecture every week. Tests will be written and will consist of questions, debugging exercises, and code fragments.

   Assignments are due at the beginning of the next lab period. If you cannot complete an assignment – please see me.

All assignments and tests MUST have a comment section at the top of the program. Include your name as programmer, the name of the assignment (Assignment 1 or Assignment 1 – page 56), and a brief description of what the program is supposed to do.
If you do not have a comment section – you will lose points.

All programs should include a sufficient number of comments to explain what the code does. If you run into trouble and need to make corrections – use a double slash (**//**) in front of the line and include a comment as to why this particular line of code did not work.

3. **Tests:** (35%)

Test #1	5%
Test #2	10%
Test #3	10%

4. **Final Exam**: (20%)

5. **Final Project**: (program) (30%)

6. **Grading scale** – A = 90-100, B = 80-89, C = 70-79, D= 60-69, F – below 60

MATERIALS:

Text – C++ Primer Plus – 6th edition – Steven Prata – SAMS – ISBN 0-321-776-402
(If you have difficulty obtaining a book – please see me after the first or second class.)
Two flash drives

Office Hours:

Tue/Thur -1:00 to 2:30pm Mon/Tue/Thur – 4:00 – 5:30 Or call for appointment 470.8419

Additional information:

Students in this class are expected to have some prior experience in programming. Programming classes generally require 5 to 10 hours of outside work per week. This number varies according to the amount of experience that you have with programming.
If you do not have any experience in programming you will need to allow a significant of extra time to complete your assignments.

During the first five weeks of the class we will cover

All assignments and tests will be posted on the LAMC web site for this class. I will provide a paper copy when the assignment /test is given. If you lose your copy – please refer to the web site.