CIS 280 – Selected Languages C++
Spring 2017

Textbooks: Recommended: "Problem Solving with C++, 9th Edition" by Savitch", ISBN13: 9780133591743.

Instructor: Supraja Gurajala, Dunn 307, Phone: 315-267-2091 (gurajas@potsdam.edu)

Office Hours: Tuesdays and Thursdays, 9:00-11:30 AM

Prerequisites: CIS 203 or permission of instructor

Class Time: MW 2:00 - 2:50 PM, DUNN 206

Date Range: Jan 23, 2017 - Mar 15, 2017

Learning Objectives:

CIS 280 is an introductory course to the C++ programming language. It is intended for those who have a prior programming experience and those who are interested in learning C++ specific constructs and concepts.

Students who have taken this course should be able to:

- Understand and apply the basic programming concepts of C++
- Work with various C++ datatypes, such as arrays, strings, and pointers
- Identify and fix errors in C++ programs
- Use memory management procedures such as proper allocation/deallocation of memory
- Apply object-oriented approaches to problems using C++

Grading for the Course:

1. **Homeworks:** 20 %

   Homework problems, based on the lecture material, will be assigned on a regular basis. The due dates for the HW problems will be listed along with the HW on moodle. No credit will be given for late homework. Your final submitted homework should represent your individual work; it is, however, acceptable to discuss the solution approach with other students. You will be responsible for keeping track of HW due dates posted on moodle.

2. **Programming Assignments:** 40 %

   Several programming assignments will be given based on the concepts discussed in lectures. These programming assignments will be the essential part of the course. Programming assignments will be posted on the moodle page along with the due date. No credit will be given for late work. Your final submitted assignment should represent your individual work; it is, however, acceptable to discuss the solution approach with other students. You will be responsible for keeping track of programming assignments due dates posted on moodle.

3. **Exam:** 20%

   Their will be only one exam in this course. Tentative exam date is 03/01/2017. Exam will be closed book and closed notes. Any request for re-grading must be received in writing and within 3 days of receiving your graded exam back.

4. **Projects**: 20%

   There will be one project assigned as part of this course. The project must be completed by teams of 2 students. Each team will submit one project report. To ensure accurate assessment of individual contribution to the team effort, all students will complete a peer-evaluation of their team members' contribution and submit this form along with the project report. The details of this project will be discussed later in class.

Final grades are determined using a class curve of the course-grade averages.

Expectations for the Course

You will be expected to come prepared to class and be an active participant in class discussions. You should plan on spending a significant time outside class in reviewing course material covered in class. It is critical that you keep up with the course material on a timely basis.

Honor System and Academic Honesty

It is expected that all work submitted by students will be the result of their honest effort. It is expected that students do not receive any unauthorized aid for any work submitted for a grade in this course.

Attendance

Regular attendance is critical for your success in this course. You are responsible for updating yourself with announcements made in class concerning material covered, homeworks, and any changes in course syllabus, due dates, or other course-related issues.

Due Dates

All due dates for the course will be strictly enforced. Prior approval will be required from the instructor for any late submission.