Fall 2015

CSCI 1205

Farjana Z. Eishita
University of New Orleans

Introduction to Programming in C++

CSCI 1205 Section 001
Fall Semester 2015

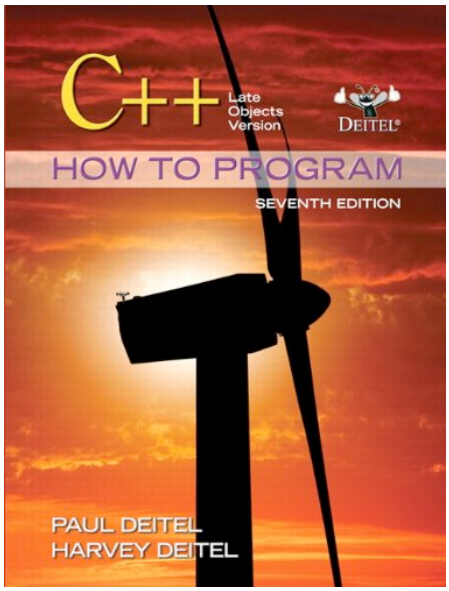
Farjana Z. Eishita
Office: MATH 341
email: farjana.eishita@uno.edu (preferred)

Meets: Tuesday and Thursday 11 am – 12.15 pm in Math 112

Office Hours: Monday: 3-5 pm
Tuesday: 1-2 pm
Friday: 3-5 pm

Other times by appointment only. Office Hours will be held in **Math 341**.

Prerequisite: Math 1115 or Math 1125 with a grade of C or better or consent of department**.**



Text: Dietel and Dietel, *C++, How to Program*, ***(Late Objects Version)*** *7th Ed.*

Course Content:

This course indroduces and applies computer techniques needed to solve problems in a high-level programming language (C++). It develops programming skills necessary for students to utilize a computer in carrying out computational assignments in other courses. Except as provided for in individual college policies, a student may receive credit in only one of CSCI 1060, 1201, 1203, 1205, and 1583. Not intended for Computer Science majors.

The supporting language is C++. The topics covered (roughly Chapters 1 through 14 from the text) will be (we reserve the right to adjust as the term progresses):

- Introduction to Computers and Software Development
- Control Structures and Algorithmic Thinking
- Functions and Recursion
- Arrays and Vectors
- Pointers
- Classes and Object-Oriented Programming Concepts
- Inheritance
- Polymorphism

- Templates
- Stream I/O and Files

Grading:

(1) Quizzes will comprise 24% of your final grade, homework/programming assignments 30%, final exam 40% and class attendance 6%.

(2) All work is graded on a numerical (percentage) basis. The correspondence between numerical and letter grades is given as follows:

A: >= 90,
B: 80 - 89,
C: 70 - 79,
D: 50 - 69,
F: < 50.

(3) It is expected that all homework will be turned in on time. Lateness penalties are n points off where n is the number of days late, and $n \leq 10$, which means anything past due over ten days will not be accepted.

- 1 day late – 1 pts off;
- 2 days late – 2 pts off;
- 3 days late – 3 pts off;
- 4 days late – 4 pts off;
- 5 days late – 5 pts off;

(4) No make-ups for graded work (either tests or homework) will be given except for a legitimate (*e.g.*, medical) reasons.

(5) Questions about the grading of student work should be raised within 72 hours of its return. After that time frame, issues raised will risk not being entertained.

(6) Students should retain all returned graded work, in case there are issues raised about the grade.

(7) The "I" grade (for Incomplete) is given only in exceptional circumstances, (*e.g.* missing the final exam because of a surgery).

Student Learning Outcomes

After successful completion of the course the students will have fulfilled the following objectives in the least:

- Students will be able to solve basic problems using C++ programming language
- Students will be able to explain the fundamental use of data types and programming techniques.
- Students will describe basic idea of Object Oriented Programming

Students will be able to design, implement, and test programs for problems using algorithms and data structures.

Attendance:

The UNO Senate (Feb. 20, 2002) has made the taking of attendance a requirement for "developmental, 1000, and 2000 level courses." Attendance will therefore be taken at each class meeting. Although not a formal component of the computation of grades, good attendance will impact final grades in borderline cases. Important course content is often introduced outside of the published sources and/or scheduled presentations.

Academic Dishonesty:

Finally, we must call your attention to the University's policies regarding academic dishonesty (http://www.uno.edu/studentaffairs/accountability.aspx). Academic dishonesty includes cheating, plagiarism, and collusion. In particular, it includes "the unauthorized collaboration with another person in preparing an academic exercise" and "submitting as one's own any academic exercise prepared totally or in part for/by another." In the event of academic dishonesty, **the student will be assigned a grade of 0** on the exam or exercise, the student will be informed in writing of the action taken, and **a copy of this letter will be sent to the Assistant Dean for Special Student Services**.

Students with Disabilities:

It is University policy to provide, on a flexible and individualized basis, reasonable accommodations to students who have disabilities that may affect their ability to participate in course activities or to meet course requirements. Students with disabilities are encouraged to contact their instructors and/or the Office of Disability Services to discuss their individual needs for accommodations.