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CSCI 205.01: Programming Languages w/C/C++

Patricia A. Duce
University of Montana, Missoula

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Recommended Citation

CSCI 205: Programming Languages Spring 2019

Instructor: Trish Duce
Social Science 412
Office Hours: T, Th 1:00-2:00pm or by appointment
ducepa@mso.umt.edu
406-370-9432

Class times:
T, Th 2:00pm – 3:20pm, JRH 202

Overview:
The objective of this class is to provide students the opportunity of becoming proficient in the following programming languages: C, C++.

Class format:
This is a four credit course, meaning that the university expects me to provide you with 16 hours per week worth of material for this class.

We will be using an online custom textbook that covers C and C++ (there is a bit of overlap). This text is an online resource called zyBooks.

Every class you will be expected to have a certain set of "participation and challenge activities" completed before class starts (from zyBooks). It is automatically graded and I will transfer that grade to my gradebook in Moodle.

During class you will have a chance to get help on any material previously assigned in zyBooks. I will also assign a set of problems to be completed in class. They may be a zyLab (that comes with your zyBook) or it may be something I have created.

Finally there will be several (approximately 5-7) larger coding projects that go with each language we cover.

Self-instruction:
You are allowed and encouraged to work together on the self-instruction materials. You are not allowed to email/post/share your work, but you are encouraged to meet in small groups and work through the material together.

You are NOT permitted to share code or discuss the out-of-class projects with anyone except me. If you are suspected of cheating, you will automatically fail this course.

Grades:
Zybooks – 20% -
Class Assignments – 25% (may include quizzes) -
Attendance – 15% (2 points each class, 2 present, 1 late or excused, 0 absent) -
Projects – 40% (may include a project that must be completed in class) -

Attendance and Make Up Work:

A substantial portion of in class time will be spent on coding activities. In the event of substantial and documented extenuating circumstances, I will consider allowing a makeup. However, there are no guarantees.

Required Online Learning Subscription

1. - Sign in or create an account at learn.zybooks.com

2. - Enter zyBook code: **UMTCSCI205DuceSpring2019**

3. Subscribe (A subscription is **$88** and will last until June 13, 2019.)

Cheating:

Cheating, as defined in the student code of conduct, will result in an automatic failure of the course, and may include all additional measures enumerated in the student code of conduct.

Student Outcomes:

- Become proficient in the following programming languages: C, C++.
- Understand the concepts and principles of programming languages and object-oriented programming.
- Understand the principles and implementation of memory allocation and deallocation, type checking, scope, polymorphism, inheritance.
- Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
- Design, implement, and evaluate a computing based solution to meet a given set of computing requirements in the context of the program's discipline.

Late Drops:

The University's policy on drops after **45** days of instruction is very specific. The Computer Science Department follows this policy rigorously. There are five circumstances under which a late drop might be approved: registration errors, accident or illness, family emergency, change in work schedule, no assessment of performance in class after this deadline. Except in very unusual circumstances, I will only approve late drops if there is documented justification for one of these circumstances.

Disabilities:

This course is accessible to and usable by otherwise qualified students with disabilities. To request reasonable program modifications, please consult with the instructor. Disability Services for Students will assist the instructor and student in the modification process. For more information, visit the Disability Services website at http://www.umt.edu/dss/.

Class Etiquette:

- Be on time. (Or don't come at all!)
- Be respectful of your fellow classmates.
- Call me anytime if you have a question.
- Profanity and Obscenity will not be tolerated in class or assignments.

Special Dates:

- Thursday, January 10 - Classes Begin
- Monday, January 21 – Martin Luther King Jr. Day – No Classes, Offices Closed
- Monday, February 18 – Presidents' Day – No Classes, Offices Closed
- Monday – Friday, March 25-29 – Spring Break – No Classes
- Friday, April 26 - Last Day of Regular Classes
- **Monday-Friday, April 29-May3 – Final Exams**
- **Final Exam Monday April 29th, 1:10pm-3:10pm**