Spring 2-1-2019

CSCI 135.00: Fundamentals of Computer Science I

Patricia A. Duce
University of Montana, Missoula

Fundamentals of Computer Science CSCI 135 Syllabus Spring 2019

CSCI 135
Instructor: Trish Duce
Office: SS 412
Office Hours: M 11-11:50am, W 1-1:50pm or by appt
Phone: (406) 370-9432
E-mail: ducepa@mso.umt.edu

URL: http://umonline.umt.edu/

Section 00
Class Time: MW 12-12:50pm
Class Location: SS 254
Lab Times: Friday 12-12:50pm (SS 344) or Friday 1:00-1:50pm (SS 344)

Overview:

This class is designed to give students a good general understanding of software development and logical reasoning. This course focuses on introducing general programming constructs using the Python programming language. This course will introduce all of the following concepts as well as provide a number of hands on opportunities to become proficient in using these tools.

- General Computing Concepts
- Logical Reasoning and Computational Thinking
- Programming Constructs
- Object Oriented Concepts

Upon completing this course, a student will be able to:

- Understand the basic components of a computer and how it works
- Understand data types
- Create graphical programs
- Implement appropriate looping and control structures to solve problems
- Create test cases for programs written
- Read from files, iterate through the file and manipulate the data within the file
- Analyze a problem, and identify and define the computing requirements appropriate to its solution
- Use current techniques, skills, and tools necessary for computing practice

Attendance:

Attendance is mandatory however I realize there are times when you must be absent. Please give me advance notice of any absences, and I will provide you with the same courtesy.

Grading:

Zbooks 15% -
Homework 15% -
Labs 15% -
Attendance 10% -
2 Exams 15% for each test -
Final Exam 15% -

Grading Scale:

- 100-90 A, A-
- 89-80 B+, B, B-
- 79-70 C+, C, C-
- 69-60 D+, D, D-
- 59-and beyond F

P/NP – pass/no pass, 70 or greater is passing determined by Computer Science Department policy, which is a C or better.

Late Assignments:

- Late assignments will not be accepted. Sorry for the inconvenience.

Required Online Learning Subscription

1. -Sign in or create an account at learn.zybooks.com
2. -Enter zyBook code: **UMTCSCI135DuceSpring2019**
3. -If you are scheduled for the 12-12:50 lab on Friday, you are in section 1 -
   If you are scheduled for the 1-1:50 lab on Friday, you are in section 2 -
4. Subscribe (A subscription is **$77** and will last until June 13, 2019.)

Required Software:

- **Internet Browser – Chrome**
  - This is what I use for Zybooks and it seems to work well
- **Python**
  - https://python.org
- **PyCharm**
  - https://www.jetbrains.com/pycharm/

Suggestions:

- Ask as many questions as you can.
- Feel free to set up an appointment if you need help. I am here to help you understand and do well.

Collaboration:

- I encourage you all to work together through problems – make sure you comment who you worked with at the top of the page, but copying and plagiarism will not be tolerated. If you are caught cheating, I will give you an F for the course.
- Please refer to the Student Conduct Code in how this will be dealt with: http://www.umt.edu/vpesa/

Incompletes:

"Incomplete for the course is not an option to be exercised at the discretion of students. In all cases it is given at the discretion of the instructor…." Some guidelines for receiving an incomplete are listed in the catalog which include having **a passing grade up to three weeks before the end of the semester** and being in attendance. "**Negligence and indifference are not acceptable reasons**." Also note that there may be financial aid implications.

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.
- 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 Friday, May 3rd 10:10am -12:10pm**