

Fall 9-1-2018

CSCI 135.00: Fundamentals of Computer Science I

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Fundamentals of Computer Science CSCI 135 Syllabus Fall 2018

CSCI 135 Section 00 and Section10

Instructor: Trish Duce

Office: SS 412

Office Hours: Monday, Wednesday 1-1:50pm or by appointment

Phone: (406) 370-9432

E-mail: ducepa@mso.umt.edu

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

Section 00

Class Time: MW 11-11:50am

Class Location: SS 344

Lab Times: Thursday 4-4:50pm (SS 344) or Friday 11-11:50am (SS 344)

Section 10

Class Time: MW 2-2:50pm

Class Location: SS 344

Lab Times: Tuesday 11-11:50am (SS 344) or Tuesday 12:30-1:20pm (LA 103B)

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 20% -

Labs 20% -

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: **UMTCSCI135DuceFall2018**
3. Subscribe (A subscription is **\$77** and will last until December 31, 2018.)

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:

- Monday, August 27 - Classes Begin
- Monday, September 3 - Labor Day – No Classes, Offices Closed
- Tuesday, November 6 – Election Day – No Classes, Offices Closed
- Monday, November 12 – Veterans Day Observed – No Classes, Offices Closed
- Wednesday, November 21 – Student Travel Day – No Classes
- Thursday – Friday, November 22-23 – Thanksgiving Break – No Classes, Offices Closed
- Friday, December 7th - Last Day of Regular Classes
- **Monday-Friday, December 10-14 – Final Exams**
Section 00 - Final Exam Friday, December 14th 8am -10am
Section 10 - Final Exam Tuesday, December 11th 1:10pm -3:10pm