

Fundamentals of Computer Science CSCI 135 Syllabus Fall 2017

CSCI 135 Section 00 and Section 10

Instructor: Trish Duce

Office: SS 412

Office Hours: T,Th 11am-noon or by apt

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Section 00

Class Time: MW 10-10:50am

Class Location LA 207

Lab Times: Thursday 2-2:50pm SS 344 or Friday 10-10:50am TBA

Section 10

Class Time: MW 12-12:50pm

Class Location HS 207

Lab Times: Wednesday 1-1:50pm NAC 014 or Wednesday 3-3:50am TBA

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: **UMTCSCI135DuceFall2017**
3. Subscribe (A subscription is **\$67** and will last until Jan 02, 2018.)

Pre-requisites for this course:

- CSCI 100

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, August 31 - Classes Begin
- Monday, September 4 - Labor Day – No Classes, Offices Closed
- Friday, November 10 – Veterans Day – No Classes, Offices Closed
- Wednesday, November 22 – Student Travel Day – No Classes
- Thursday – Friday, November 23-24 – Thanksgiving Break – No Classes, Offices Closed
- Tuesday, December 12th - Last Day of Regular Classes
- Wednesday, December 13th – Study/Reading Day
- **Thursday-Wednesday, December 14-20 – Final Exams**
Class M,W 10am-10:50 – Final 8am-10am Friday, December 15
Class M,W 12pm-12:50 – Final 8am-10am Tuesday, December 19