University of Montana

ScholarWorks at University of Montana

Syllabi   Course Syllabi

CSCI 135.10: Fundamentals of Computer Science

Trish Duce
University of Montana - Missoula

Follow this and additional works at: https://scholarworks.umt.edu/syllabi

Let us know how access to this document benefits you.

Recommended Citation

Fundamentals of Computer Science CSCI 135 Syllabus Spring 2017

CSCI 135 Section 10
Instructor: Trish Duce
Class Time: MW 10-10:50am
Class Location ED 312
Office: SS 406
Office Hours: MW 9-9:50am or by apt
Lab Times: Thursday 10-10:50am FA 210 or Friday 10-10:50am LA 205
Phone: (406) 370-9432
E-mail: ducepa@mso.umt.edu

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

Overview:

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

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

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

- Understand the basic components of a computer and how it works
- Declare and understand the difference between primitives and object data types
- Create UML diagrams based on requirement descriptions
- Instantiate and use classes from the built-in Java library as well as custom classes
- Create graphical programs using appropriate layout managers and event handlers
- Implement appropriate looping and control structures to solve problems
- Implement and understand method overloading and method overriding
- Create test cases for programs written
- Read from files, iterate through the file and manipulate the data within the file

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:

Homework 35%   (all Homework and Labs will be submitted through Moodle)
Labs 20%
2 Exams 15% for each test
Final Exam 15% **Final: MAY 8th, 10:10am – 12:10pm**

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.

Requirements

Required Texts:

- **Java Software Solutions 8th edition – Lewis and Loftus**
  http://www.facultybookshelf.org/course/4994

Pre-requisites for this course:

- CSCI 100

Required Software:

- **Java JDK**
  - **http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html**
- **Eclipse**
  - **http://www.eclipse.org/downloads/**
  - **Eclipse Java Neon**

Suggestions:

- It would be beneficial to read and 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/vpsa/policies/student_conduct.php

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, January 23 - Classes Begin
- Monday, February 20 Presidents Day – No Classes, Offices Closed
- Monday – Friday, March 20-24 - Spring Break
- Friday, May 5th - Last Day of Regular Classes
- **Monday-Friday, May 8-12 – Final Exams (OUR FINAL IS MAY 8th, 10:10am – 12:10pm)**