

CSC 114
Introduction to Computer Science
Dr. Melissa Wiggins

MCC 306

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COURSE CREDIT: 3 hrs. credit

PREREQUISITES: None

OFFICE HOURS: MWF 8-8:50; MF 11-11:50; TR 9:25-10:40, T 1:15-2:15, W 1-2; *other hours by appointment*

TEXT: *Fluency with Information Technology: Skills, Concepts, and Capabilities*, Lawrence Snyder

Course web site: <http://cosmo.mc.edu/moodle> - Computer Science - CSC 114MW

OTHER MATERIALS: A USB Drive (Jump, etc) or a minimum of two (2) 3½" DSHD diskettes.

You **MUST** have a MCnet (Novell and GroupWise) account for this course for email and the ability to use the laboratory computers. You **MUST** check this email account (MCnet) **every** day. Failure to do so may result in missed assignments, etc. that may result in a lower grade in this course.

A "budget" binder (2 ") is highly recommended.

DESCRIPTION: This course is an introduction to computer science. Topics to be covered include computer history, computer hardware, application and system software, societal impact of computers, ethics, and problem solving.

RATIONALE: Computers have become a part of all aspects of today's society and if students are to function in this society and become successful in their chosen profession, they need to have an understanding of how a computer works as well as how to use various computer applications. They will also need to understand the field of computer science to recognize the capabilities and limitations of computer systems. Being fluent in information technology involves skills, concepts, and capabilities outlined in this course.

LEARNING OBJECTIVES: The student will...

become familiar with the history of computers.

become acquainted topics of computer science.

become familiar with the components and functions of computer hardware.

understand the basic concepts of networking and specifically the Internet.

become aware of computer security and privacy issues.

understand the functions and components of an GUI operating system.

understand the basic concepts of selected applications including *some* components of the Microsoft Office Suite.

gain appreciation of programming languages and the job of the computer programmer.

SPECIAL ACCOMMODATIONS: If you need special accommodations due to learning, physical, psychological, or other disabilities, please contact Dr. Buddy Wagner in the Counseling and Career Development Center. He may be reached by phone at (601) 925-3354 or by mail at P. O. Box 4016, Clinton, MS 39058.

CLASS ATTENDANCE: The student is expected to attend classes. Regulations for class attendance are given in the Class Schedule. Remember in a MWF class, 12 absences is an automatic F. Three tardies counts as one absence in this class. (See the Mississippi College catalog).

EVALUATION: *The instructor reserves the right to make adjustments as necessary.*

Tests: There will be a three exams worth 200 points each.

Assignments: There will be four written assignments worth 50 points each. These are to be research summaries on a topic related to computer science. One will be turned in additionally as a Powerpoint presentation.

Lab Assigns: There will be a number of laboratory assignments worth a total of 200 points.

Final Exam: There will be a comprehensive final examination given at the time specified by the college. This examination will be worth 200 points.

Grading Scale:	1080 - 1200 points	A	720 - 839 points	D
	960 - 1079 points	B	0 - 719 points	F
	840 - 959 points	C		

Note: The student is expected to keep copies of all assignments, including labs, on USB drive or diskette. All graded work that is not returned to the instructor, should be retained by the student. If there were any question later about your grade, you would be expected to show these papers or provide a copy of the assignment on USB drive or diskette.

MAKE-UP WORK & TESTS: Students are expected to take tests on the day they are assigned. However, it is the student's responsibility to contact the instructor in case of an emergency illness or death in the family before the test. At that time the student and instructor will agree on a time for the make-up exam. This time should be within 2 days of the missed test. Assignments are to be turned in on the day they are due!! All work is due at the **beginning of the class period**. Any work not turned in will lose 10% credit for each day until the third day. The due date at the beginning of class is day 1. No work will be accepted after the third day. Under no circumstances will work be accepted after the assignment has been graded and handed back in class. Laboratory work will be due at the end of each lab. [Mississippi College Policy 2.10](#) Students should expect a penalty for absences as stated above.

ACADEMIC INTEGRITY: This statement on academic honesty in computer science courses is an addendum to the Mississippi College policy 2.19 found at <http://www.mc.edu/publications/policies/academic/219.wpd>. In a computer science class individual effort is expected. Student misconduct not only includes cheating on tests, but also extends to copying or collaborating on programming assignments, projects, lab work or research unless otherwise specified by the instructor. Using other people's accounts to do your work or having others do your work is prohibited. Close proximity in lab does not mean collaboration is permitted. NOTE: Discussing logical solutions to problems is acceptable, exchange of code, pseudocode, designs, or procuring solutions from the Web, other texts, the Internet or other resources on or off campus is not acceptable.

First offense: grade of 0 for ****all**** parties involved unless the "guilty" party can be determined as well as any punishment deemed necessary under policy 2.19

Second offense: grade of F in the course as well as any punishment deemed necessary under policy 2.19

DROPPING A COURSE: LAST DROP DATE - *October 28*

Students cannot withdraw after this date with a W (passing) unless the three following criteria are met:
- Extenuating circumstances (clearly outside the student's control)

- Passing the course at the time of withdrawal

- Does not have excessive absences at the time of withdrawal

NOTE: Dropping after the THIRD (3rd) WEEK will result in a grade of W appearing on your permanent record (transcripts). See <http://www.mc.edu/publications/policies/academic/2.13.doc>.

Tentative Course Outline

*****Instructor Reserves the Right to Modify as Needed*****

Day	Date	Topic	Reading Assignments	Messages
1	Aug 25	Overview & Chapter 1	S: 1-59	
2	30	Chapter 2	S: 60-88	
3	Sept 1	Chapter 3	Lab 1.1 Handout	
4	6	Lab1.1: Software and Data Storage	Lab 1.2 Handout	
5	8	Lab 1.2: Internet Basics	S: 89 - 118, Appendix A	
6	13	Chapter 4	Lab 1.3 Handout	
7	15	Lab 1.3: Basic HTML	S: 119-178	<i>Written Report 1 Due</i>
8	20	Chapter 5 / Chapter 6	Lab 1.4 Handout	
9	22	Lab 1.4: Smarter Searching on the Web	S: 179 - 202 Lab 2.1 Handout	
10	27	Chapter 7/Lab 2.1: Tracking Down the Bugs	Exam Prep	
11	29	<i>Exam 1: Chaps. 1-6 & Labs 1.1-1.4</i>	S: 203 - 232	
12	Oct 4	Chapter 8	S: 233 - 266	
13	6	Chapter 9	S: 267 - 288	
14	11	<i>Fall Recess</i>	<i>No Class</i>	
15	13	Chapter 10	Lab 2.2 Handout	<i>Written Report 2 Due</i>
16	18	Algorithms	S: 289 - 318	
17	20	Chapter 11	S: 321 - 350	
18	25	Chapter 12	Lab 3.1 Handout	
19	27	Lab 3.1 Spreadsheets	Exam Prep	
20	Nov 1	<i>Exam 2: Chaps. 7-11 & Labs 2.1-2.2</i>	Powerpoint Handout	
21	3	Lab: Powerpoint	S: 351 - 371	<i>Written Report 3 Due</i>
22	8	Chapter 13	Lab 3.2 Handout	

23	10	Lab 3.2: Using a Database: Tables and Queries	S: 375 - 428	
24	15	Chapter 14	Lab 3.3 Handout	
25	17	Lab 3.3: Modifying a Database	S: 429 - 453 S: 455 - 486	
26	22	Chapter 16 / Chapter 17	Exam prep	<i>Written Report 4 & Powerpoint Due</i>
27	29	<i>Exam 3: Chaps 12-17 & Labs 3.1-3.4</i>	Logo Handout	
28	Dec 1	Logo Lab	S: 635 - 674	<i>Dead Days</i>
29	6	Chapter 23/24 / Wrap-up and Review	Exam prep	<i>Dead Days</i>
30	8	<i>Comprehensive Final Examination</i>	8:00-10:00 a.m. MCC 209	

S: Snyder

Lab X.X Handouts should be obtained by visiting http://wps.aw.com/aw_snyder_fluency_1/

*All labs will meet in MCC 209 unless stated otherwise by the professor.