Your Instructor

- James Church
- jcchurch@olemiss.edu
- Office Hours: Weir 232, MWF, 3 - 4 PM

Course Description of CS 112

Continuation of CSCI 111 with emphasis on computer programming as a systematic discipline. The topics include data structures, abstract data types, algorithm design and analysis, and programming methods and standards.

My Description of CS 112

This course will be an introduction to common data structures and algorithms using the Java programming language (version 6 or 1.6 depending on how you are counting). Topics will include single dimensional arrays, two dimensional arrays, stacks, queues, linked list, sorting algorithms and object oriented programming topics.

Required Text

Java Foundations: Introduction to Program Design & Data Structures. By Lewis, DePasquale, and Chase. ISBN: 978-0-321-42972-8

Notes on Assignments

There will be 5 assignments over the course of the semester. For each 24-hour period after the date and time which an assignment is due, there will be a 20% deduction to the score. I would much rather you turn in a working assignment late than a non-working assignment on time. If your program fails to compile, I will send your code back to you with a message that it does not compile and expect you to correct it. Only functional assignments will be graded. All assignments are due by midnight of the due date.

For each homework assignment, the student will receive a detailed description of the homework requirements and expectations. The input and output formats will be clearly defined, as well a sample the instructor's input which will be used to test the program. If a program works but still not meet the assignment's input and output specifications, then the homework will be penalized.

At the beginning of each homework assignment, the follow header must be present:

Homework Preamble

With each homework assignment, this preamble must be present at the beginning of the each source code file.

```
/***************************************************
 * NAME:                [YOUR NAME] (YOUR EMAIL ADDRESS)
 * EXERCISE NUMBER:      ##
 * PROGRAM TITLE/TOPIC:    [Title of assignment]
 * COURSE INFORMATION:     CSCI 112; Summer 2010
 * INSTRUCTOR:          James Church (jcchurch@olemiss.edu)
 * CURRENT DATE:          [YYYY-MM-DD]
 *
 * HONOR CODE STATEMENT:
 *   In keeping with the Honor Code policies of the University of
 *   Mississippi, the School of Engineering, and the Department of
 *   Computer and Information Science, I affirm that I have neither
 *   given nor received assistance on this programming exercise.
 *
 * PROGRAM DESCRIPTION:
 *   [Brief description of what this program does.]
 ***************************************************/
```

Assignment Due Dates
- Assignment #1: Assigned Today, Due Tuesday, July 6
- Assignment #2: Assigned Tuesday, July 6, Due Friday July 9
- Assignment #3: Assigned Friday, July 9, Due Thursday July 15
- Assignment #4: Assigned Thursday, July 15, Due Wednesday, July 21
- Assignment #5: Assigned Thursday, July 21, Due Wednesday, July 28

Grading Weights
The overall grade for this course will be determined according to the following weights:

- First Assignment - 4%
- Assignments - 36%
- Labs - 10%
- Test 1 - 10%
- Test 2 - 10%
- Test 3 - 10%
- Final - 15%
- Lab Practical - 5%

Grading Scale
- A(>= 90)
- B(>= 80, < 90)
- C(>= 70, < 80)
- D(>= 60, < 70)
- F (< 60)

Attendance

Attendance is mandatory. Role will be called at the beginning of each class. You are allowed two unexcused absences during the semester. For each unexcused absence after the first two, one letter grade will be deducted. For example, if your final grade in the class is a B and you have 4 unexcused absences, your grade will be recorded as a D.

Professional Conduct Policy

All students in CSCI 259 and CSCI 390 are expected to conduct themselves in a professional manner according to the Honor Code of the School of Engineering, the Information Technology Appropriate Use Policy, the M Book, and any other relevant policies.

"The Honor Code shall apply to all students, both undergraduate and graduate, registered in and/or seeking degrees through the School of Engineering. The Honor Code shall be understood to apply to all academic areas of the School such as examinations, quizzes, laboratory reports, themes, computer programs, homework, and other possible assignments. Only that work explicitly identified by the class instructor not to be under the Honor Code is excluded. The intent of the Honor Code is to recognize professional conduct and, thus, it shall be deemed a violation of the Honor Code to knowingly deceive, copy, paraphrase, or otherwise misrepresent your work in a manner inconsistent with professional conduct."

A grade of zero will be recorded for any assignment or test where cheating has been suspected. Repeated cases will reported to the School of Engineering. If you think some activity might be seen as cheating, please ask your instructor.

Student Disabilities Services Statement

"It is the responsibility of any student with a disability who requests a reasonable accommodation to contact the Office of Disability Services (915-7128). Contact will then be made by that office through the student to the instructor of this class. The instructor will then be happy to work with the student so that a reasonable accommodation of any disability can be made."

A Note on Cellular Phones

It is preferable that you turn any electronic devices off and do not use them during class. If you must keep your device on, turn off any sound that it might make. Please leave the class to take calls. Students who spend the class period texting or playing games will be asked to leave.