

ECET 3810– Spring Semester 2015

Applications of C++, Java, and HTML

Instructor: Tom Fallon
Office: Q249
Phone: (678) 915-7431
Email: tfallon@spsu.edu
Website: educate.spsu.edu/tfallon

Text:

A Comprehensive Introduction to Object-Oriented Programming with Java by C. Thomas Wu,
McGraw Hill Higher Education, 2008
Course Handouts

Course Objectives:

- Objective 1:** Demonstrate an understanding of the basic principles, and concepts of object-oriented programming.
- Objective 2:** Demonstrate the capacity to design and implement object-oriented applications using classes, structures, interfaces, and basic control devices.
- Objective 3:** Identify and employ appropriate use of validation and exception handling during design, coding, and run-time of applications.
- Objective 4:** Demonstrate an ability to design and create a complex object-oriented application based on a set of predefined specifications.

Grading Policy: There will be no make-up quizzes

A \geq 90, 80 \leq B $<$ 90, 70 \leq C $<$ 80, 60 \leq D $<$ 70, F else
Final Average = .3*L + .15*Qx + .15*Qy + .15*Qz + .25*F
Qx,y,z = highest 3 out of 4 quiz grades
F = Final Exam
L = (L1+L2+...L11)/11

Quiz Taking Policies:

- You may use a calculator, pencil, pen, and eraser for any quiz and the final exam.
- You may not use cell phones, computers, or any other electronic device for any quiz or the final exam.
- Prior to any quiz the instructor will verify that all computers for a given row of students are either logged out with screen turned off or shutdown. Instructor will hand out quiz for that row of students once all computers are in stated mode.
- Students registered for the online section of this course (900/951) are required to provide contact information (email address and phone number) of an acceptable proctor to their instructor prior to the first quiz. Acceptable proctors include teachers/professors at nearby institutions or persons in a supervisory role.
- The Final Exam is required for all students, and is administered on the date/time specified by the university. The Final Exam must be taken on the scheduled date.

Laboratory Policies:

- **You must have a passing lab grade to pass the course (Lab Grade \geq 60% is passing).**
- **Labs are to be submitted on the specified due date at the beginning of the lab period; late labs will not be accepted.**
- **Students registered for the online section of this course (900/951) are to electronically submit all completed assignments in PDF format to the instructor. Note: Only 900-951-registered students are permitted to electronically submit assignments; All in-class (001/051, 052) students are required to submit hard copies of all class assignments.**

Important Dates:

Monday, January 19th, MLK Jr. Holiday

Thursday, February 19th, Mid-Term Grades Due

Sunday, 3/1 – Saturday, 3/7, Spring Break

Monday, April 27th, Last Day of Classes

Wednesday, 4/29 – Tuesday, 5/5, Final Exams

Honor Code: <http://www.spsu.edu/honorcode/>

ADA/504: Students with disabilities who believe that they may need accommodations in this class are encouraged to contact the counselor working with disabilities at (678) 915-7226 as soon as possible to better ensure that such accommodations are implemented in a timely fashion.

Copyright: <http://www.copyright.gov/>

Week	Topic	Reference	Lab Due
1	Introduction	Ch1, 2	
2	Java Basics	Ch1	
3	Working with Data	Ch3	1,2, Q1
4	Control Statements	Ch5	3
5	Loops, Arrays	Ch5, 10	4,5
6	Data Structures		Q2
7	Strings	Ch2	6,7
8	Sockets		Q3
9	GUIs	Ch 14	8
10	Exceptions	Ch8	
11	Event Handling	Ch 14	
12	Basic Threads		9,10, Q4
13	File I/O, Graphics	Ch 12	
14	Generics and Type Safety	Ch 17	11,12
15	Review for Final Exam		

