

Computer Science 18A – Java Programming: Objects

1 Introduction

Course: CSC 18A – Java Programming: Objects

Professor: Paul J. Conrad

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Lecture: Thursday 6:00PM-9:10PM in BE-104

Laboratory: TBA – MLK Lab

Office Hours: Tuesday and Thursday: 10:15AM-11:30AM, 2:15PM-3:30PM in BE-220J

Friday: 10:15AM-11:30AM in BE-220J

Prerequisite: None

Advisory: CIS 5 or CSC 5 – Fundamentals of Programming Logic Using C++

1.1 Course Description

An introduction to Java programming for students already experienced in the fundamentals of programming. An emphasis will be placed upon object-oriented programming. Other topics include graphical interface design and typical swing GUI components. 54 hours lecture and 18 hours laboratory.

1.2 Reading

Required Text: Java How to Program, Late Objects Version, Tenth Edition

By: Paul Dietel; Harvey Dietel

ISBN-10: 0132575655, ISBN-13: 9780132575652

1.3 SLO – Student Learning Outcome

Student should be able to demonstrate an understanding of the Java IDE programming environment sufficient to write small to medium sized programs. Student should be able to demonstrate an understanding of the fundamentals of object-oriented development sufficient to create and use classes as the foundation of Java application programs.

2 Lab Assignments/Quizzes/Exams

2.1 Laboratory Assignments

The course lab assignments are programming problems in either the textbook or from course website. These assignments will be done in the laboratory and are due no later than 6:00PM on the Thursday of the week following when assigned. Lab assignments are to be turned in via email with a brief three to four sentence synopsis or summary of what you learned from the lab assignment. Laboratory assignments are worth 40 points each, with laboratory work being worth 25 points, laboratory attendance being worth 10 points, and synopsis summary being worth 5 points.

Lab work turned in after the due date will be considered late and worth 1/2 credit until ONE WEEK after being assigned. Any later than that, it is worth zero credit.

2.2 Quizzes

There may be occasional weekly quiz on Thursday near the end of the lecture session covering the discussed topics of the week. The quizzes will consist of five questions, worth 25 points total for the quiz. We will have approximately 10 quizzes throughout the semester.

2.3 Exams

There will be one midterm examination and one comprehensive final examination. The midterm exam will be Thursday, October 22nd, 2015 and cover all material discussed during the first seven weeks of the course.

Final exam will be on **December 17th, 2015 from 6:00PM to 9:10PM in room BE-104.** The final exam will cover all of the material that is introduced in the course.

2.4 Reading and Exam Schedule

The table below is the reading and examination schedule for this semester.

<u>Week</u>	<u>Reading / In Class Objectives</u>	<u>Exam</u>
1 - Sep 3 rd	Chapters 1/2 - Intro to Computers/Java Applications	
2 - Sep 10 th	Chapters 3/4 - Control Statements	
3 - Sep 17 th	Chapters 5/18 - Methods / Recursion	Quiz #1
4 - Sep 24 th	Chapter 3/4/5 - Continuation of Control Structures/Methods	Quiz #2
5 - Oct 1 st	Chapter 18 - Continuation of Recursion	Quiz #3
6 - Oct 8 th	Chapter 6 - Arrays	Quiz #4
7 - Oct 15 th	Chapter 6 - More on Arrays	Quiz #5
8 - Oct 22 nd	Midterm Exam	Midterm
9 - Oct 29 th	Chapter 7 - Classes and Objects	
10 - Nov 5 th	Chapters 7/8 - Continuation of Classes	Quiz #6
11 - Nov 12 th	Chapter 9 - Inheritance	Quiz #7
12 - Nov 19 th	Chapter 10 - Polymorphism	Quiz #8
13 - Nov 26 th	No Class - Thanksgiving Holiday	Quiz #9
14 - Dec 3 rd	Chapter 11 - Exceptions	
15 - Dec 10 th	Chapters 12/13 - Introduction to GUI/Final Exam Review	Quiz #10
16 - Dec 17 th	Final Exam (<u>Dec 17th, 6:00PM to 9:10PM room BE-104</u>)	FINAL

* Midterm (Thursday - October 22nd)

* Final Exam (Thursday - December 17th)

2.5 Make Ups

Make ups for laboratory assignments, midterm and quizzes will be allowed only due to unforeseen emergencies. There will be no make-ups for the final exam.

In the event of an illness, please contact me via email or phone **BEFORE** class so we can arrange a make-up.

3 Grading

3.1 Points/Percentages Breakdown

<u>Task</u>	<u>Points</u>	<u>Percentage of Grade</u>
Laboratories	40 points each	20%
Midterm Exam	100 points	30%
Chapter Quizzes	25 points each	15%
Final Exam	100 points	35%

3.2 Grading Scale

<u>Letter Grade</u>	<u>Percentage</u>
A	90% to 100%
B	80% to 89%
C	70% to 79%
D	60% to 69%
F	0% to 59%

4 Extras

4.1 Classroom/Lab Policies

You must show up to class prepared and ready to learn. Be on time to class. Come to class prepared; reading and lab assignments should be completed as assigned. No food or drink is allowed in the classroom. Please bring something to write with and paper so that you can take notes. Computer and Network Use in department classrooms and labs are governed by district policies found in Board Policy 3720 and are subject to Standards of Student Conduct located in the Student Handbook. Violations of these policies are subject to Disciplinary Actions as outlined in Section VI of the Student Handbook located at:

<http://www.rcc.edu/services/Documents/StudentHandbook.pdf>

4.2 Academic Dishonesty

RCC defines plagiarism as, "Presenting another person's language (spoken or written), ideas, artistic works or thoughts as if they were one's own." This includes using someone else's code as your own. Plagiarism is academically dishonest. Students must make appropriate acknowledgement of the original source where material written or compiled by another is used. Cheating or dishonest practices, such as turning in the writing of someone else and claiming it as your own, will result in your receiving a failing grade on the assignment and possibly for the course.

4.3 Student Accommodations:

If you have a physical, psychiatric/emotional, medical, or learning disability that may impact your ability to carry out assigned course work, I urge you to contact the staff in the Office of Disabled Student Services at (951)222-8060. The office is located on the Riverside Campus, in the Administration Building. The DSP&S will review your concerns and determine with you what accommodations