

# Computer Science 215 – Programming with Java

## 1 Introduction

Course: CS 215 – Programming with Java

Professor: Paul J. Conrad

Web: <http://pauljconrad.net/announcements/content>  
<https://sbccd.blackboard.com/announcements/discussions/gradebook>

EMail: [pconrad@sbccd.cc.ca.us](mailto:pconrad@sbccd.cc.ca.us)

Lecture: Monday 6:00PM-7:20PM, Lab 7:30PM-8:20PM in B-220

Prerequisite: CS 110

### 1.1 Course Description

An introduction to the network-friendly language, Java. Topics include object-oriented design, multiple platform environment, program logic structures, graphical user interface, and recursion.

### 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

The student will demonstrate skill as a Java programmer by writing an object oriented program to solve a simple mathematical problem such as factoring a four-digit number and producing one version as a web applet and another that will run as a native application on Windows. The student will demonstrate understanding of fundamental programming techniques by analyzing a Java source code listing that uses an iterative algorithm and creating a recursive version that accomplishes the same algorithm.

## 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 Monday 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 50 points each; with correctly working laboratory assignment being worth 30 points, and synopsis summary being worth 20 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.

When emailing your assignment, the subject line must be done as follows:

**CS 215 Spring 2016 – Assignment #x**

Where 'x' is the assignment number. **Any email submissions that do not conform to this will not be accept and a zero grade will be issued for the assignment.**

## 2.2 Quizzes

There may be occasional weekly quiz on Monday near the end of the lab session covering the discussed topics of the **previous** week. The quizzes will consist of between three to five questions, worth 25 points total for the quiz. We will have approximately 10 quizzes throughout the semester.

## 2.3 Exams

There will be a comprehensive final examination. This final exam will be on **May 23<sup>rd</sup>, 2016 from 6:00PM to 8:20PM in room B-220**. The final exam will cover all of the material that is introduced in the course. There will be a **FINAL PROGRAMMING PROJECT**, assigned during Week 13 as part of the final exam.

## 2.4 Reading and Exam Schedule

The table below is the tentative reading and examination schedule for this semester (subject to change).

<u>Meeting</u>	<u>Reading / In Class Objectives</u>	<u>Exam/Quiz</u>
1 - Jan 25 <sup>th</sup>	Chapter 1 - Introduction,	Quiz #1
2 - Feb 1 <sup>st</sup>	Chapter 2 - I/O, Arithmetic	
3 - Feb 8 <sup>th</sup>	Chapter 3 - Control Statements	
4 - Feb 22 <sup>nd</sup>	Chapter 4 - Continuation of Control Structures	
5 - Feb 29 <sup>th</sup>	Chapter 14 - Strings / Characters / Regex	Quiz #2
6 - Mar 7 <sup>th</sup>	Chapter 5 - Methods	Quiz #3
7 - Mar 21 <sup>st</sup>	Chapter 18 - Recursion	Quiz #4
8 - Mar 28 <sup>th</sup>	Chapter 6 - Arrays and ArrayLists	
9 - Apr 4 <sup>th</sup>	Chapter 7 - Classes and Objects	Quiz #5
10 - Apr 11 <sup>th</sup>	Chapter 8 - Continuation of Classes / Unit Testing	Quiz #6
11 - Apr 18 <sup>th</sup>	Chapter 9 - Inheritance	Quiz #7
12 - Apr 25 <sup>th</sup>	Chapter 10 - Polymorphism / Interfaces	Quiz #8
13 - May 2 <sup>nd</sup>	Chapter 11 - Exceptions	Quiz #9
14 - May 9 <sup>th</sup>	Chapter 12 - GUI	Quiz #10
15 - May 16 <sup>th</sup>	Final Exam Review	FINAL
16 - May 23 <sup>rd</sup>	Final Exam ( <b><u>May 23<sup>rd</sup>, 6:00PM to 8:20PM room B-220</u></b> )	

## 2.5 Make Ups

In general, there are no make ups for assignments or quizzes. However, exceptions can be made due to extreme, unforeseen circumstances (documented proof will be required).

## 3 Grading

### 3.1 Point Breakdown

<u>Task</u>	<u>Points</u>	<u>Grade Weight</u>
Assignments	50 pts each	30%
Quizzes	25 pts each	20%
Final Exam	200 pts	50%

### 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%