Queens College Object Oriented Programming in Java CSCI 212 (22754) Spring 2018 Instructor: Krishna Mahavadi

Course Description. : Object-oriented algorithmic problem solving in java, with attention to general as well as language-specific issues including applications, event-driven programming; elements of graphical interfaces (GUIs); inheritance and polymorphism; recursion; file I/O; Exception handling; packages; generics; dynamic data structures like linked lists, array lists; testing and debugging; applications of simple data structures; applets; multithreaded programming.

Prerequisites. CSCI 111.

Required text:

Walter Savitch: Java An Introduction to Problem Solving & Programming, 8th Edition Pearson, 2018 ISBN-13 978-0-13-446203-5.

Learning Goals. A solid understanding of the fundamental concepts of Objected Oriented programming and the Java language. Successful students will be able to write correct and complete Java implementations of homework projects. Successful students will also complete exam questions that test knowledge of Java and be able to write programs at the level required by employers when you apply for internships or jobs.

Course Topics:

Intoduction to Java programming and fundamentals (Chapters 1 and 2) Decision Structures and loops (Chapters 3 and 4) Classes and Methods (Chapters 5 and 6) Arrays (Chapter 7) Inheritance, Polymorphism and Interfaces (Chapter 8) Exceptions (Section 9) File Input/Output (Chapter 10) Recursion (Chapter 11) Generics (Chapter 12) Throughout the course, we will be doing graphics and GUIs at the end of each chapter.

Instructor:

Krishna Mahavadi kmahavadi@qc.cuny.edu office: SB A201 office hours: Monday 12:00pm - 1:00pm Tuesday 6:00pm - 7:00pm or by appointment.

Course Website:

http://venus.cs.qc.edu/~krishna/cs212/

Classes: Monday and Wednesday. 8:00 am – 8:50 am, SB C205

Reminder:

The class will not meet on: Monday, February 12 Monday, February 19 Spring Break: Friday, March 30th - Sunday April 8th Wednesday, April 11 (Friday Schedule)

Requirements:

Two in class midterm exams and a final exam (all cumulative).
The final counts for 30% of the course grade.
Each midterm counts for 20% of the grade.
Quizzes and homeworks count for a total of 30% of the course grade.
Quizzes count for 20 points of the lab grade and homework for 10 points of the lab grade.
You need to pass the lab separately by scoring at least 18/30.
Students who score less than 60 total will receive no more than a C- for the course.

Exam dates:

Midterm1:	Wednesday, 03-07-2018
Midterm2:	Monday, 04-23-2018
Final:	Monday, 05-21-2018 (8:30 am to 10:30 am in SB C-205)

Policies: Homework must be submitted on or before the published deadline, late homework will not be accepted. Homeworks that do not compile will automatically be given a score of zero. No make up quizzes and midterms will be given. There will be no make up midterm without documented emergency. If a student misses the midterm, the score from their next exam will be used in place of the missing exam score.

Academic dishonesty such as plagiarism or cheating will be dealt with seriously in accord with the University's policy on academic integrity.