CS 182 – Intro to Java Programming
Section 6557 4 Units Spring 2023
Online + (Optional) Open Lab Sync Zoom Mon 6:00 – 7:30PM (See Canvas for link)

Instructor	Rico Cassoni, richard.cassoni@gcccd.edu (or Canvas messaging) Office Hours via Zoom (See Canvas for link) – Mondays 6:00-7:30PM or by appt.
Course Description & Student Learning Objectives	CS 182 Intro to Java Programming. Introductory course in the basics of the Java programming language focusing on object oriented methodology. Topics include classes, methods, parameters, arrays, modularity, abstraction, exception handling, and stream and file I/O. In addition to writing and using new classes, students will utilize the AWT and/or Swing libraries of classes. Basic inheritance and mobile application programming are introduced. Upon successful completion of this course and given a scientific problem-based scenario, students will be able to: 1) Decompose problems and design program solutions using flowcharts, pseudocode, models, or other tools. 2) Properly code applications using the fundamental coding structures: sequence, selection, and loops. 3) Test and debug applications using debugging tools such as trace execution.
Prerequisite	"C" grade or higher or "Pass" in MATH 110 or equivalent
Advisory	"C" grade or higher or "Pass" in CS 119 or equivalent or experience programming in C++ or Java
Required Text	Grossmont/Cuyamaca College Bookstore - Starting Out with Java: From Control Structures through Data Structures - With Access, Gaddis, Tony / Muganda, Godfrey • ISBN: 9780134787961, $200 (new), $150 (used), Digital $75 (365 days)
Required Hardware and Software Apps	• Hardware-Windows, Mac, Linux, or Chromebook personal computer • Software - BlueJ Integrated Development Environment - https://bluej.org/ or optionally Replit.org. • Software – If using BlueJ, Java Development Kit (JDK), Standard Edition at the following link - https://www.oracle.com/java/technologies/downloads/#java17. NOTE - Please use Java17 Long Term Support (LTS). Each 6 months, Oracle comes out with new features (ie 18, 19,...). Java 17 will be supported through Sept 2024 at which time a new LTS (ie Java 23) will be supported through Sept 2027.

Grading

Weekly Intro Videos	5%	A	>=90%
Chapter Quizzes (low 2 dropped)	10%	B	80-89%
Lab Assignments	55%	C	70-79%
Midterm	15%	D	60-69%
Final	15%	F	<60%
	100%		

Level of Effort	CS 182 is a demanding but extremely rewarding course. For many, this is their first programming language requiring mastery of concepts and syntax and will require 10+ hours a week to read, watch videos, and complete course work (quizzes and labs).
Homework / Quizzes	Homework will consist of quizzes covering material in the book representative of exam question along with weekly intro videos.
Lab Assignments	Problem solving exercises will be assigned requiring students to complete computer programming labs. Each programming lab will consist of a hands-on exercise applying theory principles learned in class. Programs must be well documented in terms of their overall design goals. Additionally, each subprogram must be documented as to its purpose and overall performance. Key things that will be evaluated are correctness (does it compile and provide the correct answers), simplicity, and clarity. Also, pseudocode must be included for each lab assignment as part of the application javadoc header.

Late Work

Late work is accepted with the following penalties:

Within first week 10% off, Within second week 20% off, Within third week 50% off. Work will typically not be accepted three weeks after the due date, unless extenuating circumstances prevail. Please let me know and we can typically work something out. No Questions Asked (NQA) coupons allow a student to turn in two labs up to **one week late without penalty**. **These are automatically applied to the first 2 late assignments**. Once both NQA coupons are used or work is submitted after one week, late work is penalized per above. Unused NQA coupons can be turned in for 0.5% overall extra credit each ***only if all work is submitted on time***. Otherwise, NQAs will be used for crediting late work.

The last day to turn in late work is May 30, 2023@11:59PM.

NQA Coupons

Name:
Assignment Used On:

Turn in at end of semester for 0.5% XC

Name:
Assignment Used On:

Turn in at end of semester for 0.5% XC

Attendance Policy

Students must show continuous progress throughout the course. This is different than correspondence courses which only require work to be completed by the end of the course period. **A student not making continuous progress (ie not completing assignments including assignment quizzes for more than two weeks in a row) or not completing the midterm exam on time is at risk of being dropped from the course.**

Extra Credit (XC)

At the end of the day, the best XC you have is turning in all assignments on time. However, in addition to turning in NQA coupons at the end of the semester, XC will be provided on selected labs, as well as attending special events such as presentations. **XC is capped at 2% total** between NQA Coupons, Special Events, etc.

Class / Lab Participation

Beginning program classes require practice, practice, and practice for mastery of a computer language. A goal of this course will be for students to maximize coding time via labs, homework, and instructional videos. Labs and Zoom participation combined represent 60% of a student's grade. History shows that successful students read the material, carefully watch instructional videos, and attend Zoom sessions.

Drop Policy & Deadline Dates

Please read the mandatory drop procedure in the Class Schedule, especially regarding the dates that you are allowed to drop the class with a W instead of an F or an FW grade.

Start Date	End Date	Add Deadline	Deadline to drop class with no record	Deadline to file for Pass/ No Pass grading option	Deadline to drop with a "W" grade (withdraw)
1/30/23	6/5/23	2/12/23	2/12/23	6/5/23	4/30/23

Discord Netiquette Guidelines

(1) Please do not use the @everyone tag. This should be turned off to prevent its use. NOTE - Using this tag pings all online users which might not be desired late evening through early am.

(2) Please only direct message (DM) other students after asking if OK to DM them. I realize this requires a short DM to them in the first place. Something like, "Hey @Snoopy is it ok for me to DM with you?" This is equivalent to letting someone in your house. If at any time, a person that has said OK to DM them, later requests to no longer DM with them, please respect their decision.

(3) For personal topics in nature, recommend DMing me (ie Late with a homework assignment, etc.) You can also email me or Canvas message me with this information.

(4) Bottom line, use this test. If we were in a live classroom where the entire class including the instructor would hear your comment, would you say it? If the answer to this is no, please do not say in virtual discussions.

I hope that these guidelines increase our productivity and make our sandbox a better place to share ideas. If anyone ever has questions, I am happy to discuss via zoom or Discord.

Cheating / Plagiarism	Students are expected to be honest and ethical at all times in the pursuit of academic goals. Students who are found to be in violation of Administrative Procedure 3100.3 Honest Academic Conduct, will receive a grade of zero on the assignment, quiz, or exam in question and may be referred for disciplinary action in accordance with Administrative Procedure 3100.2, Student Disciplinary Procedures.
Student Code of Conduct	This procedure will provide a prompt and equitable means to address violations of the Grossmont/Cuyamaca Community College District (GCCCD) Standards of Student Conduct, which guarantees to the student(s) involved the due process rights assured them by State and Federal constitutional protections. Community College Districts are required by law to adopt Standards of Student Conduct along with applicable penalties for violations (Education Code Section 66300). The GCCCD has complied with this requirement by adopting Governing Board Policy 535, which states that "It shall be the policy of the Board to provide information to all students in the Grossmont-Cuyamaca Community College District about the type of conduct that is expected of each student, along with the applicable penalties for violation of the rules and regulations, and to set forth procedures that are fair and timely both to the student and to the District." The purpose of this administrative procedure is to enact uniform processes throughout the District to provide due process to students who are charged with a violation of the Student Code of Conduct. These Student Discipline Procedures do not apply to student grievances, discrimination complaints (including sexual harassment complaints), residence determination, or other academic or legal requirements for admission or retention. This procedure also does not apply to withholding of services, such as transcripts, for nonpayment of debts to the District or College. However, student conduct that constitutes prohibited discrimination may be the basis for disciplinary action under this procedure. All proceedings held in accordance with these procedures shall relate specifically to an alleged violation of the established Standards of Student Conduct as outlined in the College catalog. Disciplinary measures may be taken by the District or the College independent of any charges filed by civil or criminal authorities, or both. (Education Code Section 76225)
(Optional) Group Work / Collaboration Policy	An up and coming software development lifecycle model is the Agile Framework. I will allow students to work on pseudocode together during lab sessions. This will provide exposure to Scrum like environments. If labs have been pseudocoded in a group, my expectation is that each coder will then develop their own code from this point forward. If I see the same variables, lines of code, etc., it makes me question independent work. It is extremely important that each person does this own coding, while you think that you are learning looking over someone's shoulder, one gets a false sense of security that they grasp the coding concepts and often cannot code by themselves – the ultimate goal!
Receive Help With Care	Avoid working too closely with another student. Otherwise, you can unwittingly become dependent on that student's assistance and fool yourself into thinking that you understand the material better than you really do. Always attempt to do as much as you can on your own. Then after you seek help, be sure to work through similar problems on your own.
Giving Help with Care	Don't help too much. When you understand something you may be tempted to show someone the complete solution. However, if you do this, you will rob them of the learning experience of reaching the solution on their own. Try giving a hint that will help them get "unstuck". If you don't see how to help without "giving away the whole thing", suggest that they see the instructor who may be able to help them through the process gradually. Although you are allowed to help other students, you are never under any obligation to do so. If you feel uncomfortable answering a student's question for any reason, please do not do so. Instead, suggest that the student see the instructor.
Accommodating Students with Disabilities	Academic adjustments/accommodations are available for students with verified disabilities. Students with disabilities are strongly encouraged to notify the instructor and contact Disabled Student Services & Programs (DSPS) early in the semester (first two weeks of

	school) so reasonable adjustments may be made as soon as possible. It is the student's responsibility to be proactive, self-advocate, and make sure the instructor has a copy of the student's accommodations. DSPS is located at A-113 at the one-stop and can be reached at (619) 660-4239 or contacted by e-mail at cuyamaca.dsps@gcccd.edu
Career Center Job Board	www.cuyamaca.edu/student-support/career-center/job-board-for-students.php
Student Success Checklist	• Students should check emails **every two (2) days. Ideally every day**. • Students are encouraged to ask questions and to help each other using the Q&A Discussion Board. Students should **subscribe** to the Q&A Forum so that they do not miss out on helpful discussions. Also, for each new topic, students should create a new thread - for example, Ch1 Labs. While students may help each other, answers may not be posted. • Students are encouraged to copy the Canvas calendar link to their smartphones. This provides all the due dates for assignments so that students are always in the know.
Strategies and Final Notes	I am here to help you succeed. If at any point you feel you are having difficulties, please contact me at richard.cassoni@gcccd.edu. Dropping the course, or being dropped from the course, should be very rare and a last resort after all other possible efforts have been exhausted. Students who invest regular, smaller chunks of time into this course have more success than those who cram work into large blocks of late night hours. Your college education is a huge commitment. Does your daily schedule reflect that commitment? If not, recommend making adjustments, at the beginning of the semester, before problems emerge. Remember that you can contact me at any time to ask questions and receive a progress report of where you are in the course. I take your success seriously and want to see you start the course as well as finish the course. Let's have a great semester!

CS 182 – Intro Java Programming
Course Calendar for Spring 2023
See Canvas Calendar for Due Dates

Week 1	1/30	Course Introduction Ch1. Introduction to Computers and Java, Lab1, Quiz1
Week 2	2/5	Ch2. Java Fundamentals, Lab2 Pt1
Week 3	2/12	Ch2. Java Fundamentals, Lab2 Pt2, Quiz2
Week 4	2/19	Ch3. Decision Structures, Lab3, Quiz 3
Week 5	2/26	Ch4. Loops and Files, Lab4, Quiz4
Week 6	3/5	Ch5 Methods, Lab5, Quiz5
Week 7	3/12	Ch6 A First Look at Classes, Lab6 Pt1
Week 8	3/19	Midterm Exam Study Guide Mid-Term Exam Due 3/25/23
		Spring Break – Relax, Recharge, Catch Up (if necessary!)
Week 9	4/2	Ch6 A First Look at Classes (cont), Lab6 Pt2
Week 10	4/9	Ch7 Arrays and the ArrayList Class, Lab 7 Part 1
Week 11	4/16	Ch7 Arrays and the ArrayList Class, Lab7 Part 2, Quiz7
Week 12	4/23	Ch8 A Second Look at Classes, Lab 8, Quiz8
Week 13	4/30	Ch9 Text Processing / Wrapper Classes, Lab 9, Quiz 9
Week 14	5/7	Ch10 Inheritance, Lab 10, Quiz 10
Week 15	5/14	Ch11 Exceptions and Advanced File I/O, Lab 11, Quiz 11
Week 16	5/21	Final Project/Wrap Up
Week 17	5/28	Final Exam Due 6/3/23 

Although it rarely happens, the instructor reserves the right to change the above schedule without prior notice.