Evergreen Valley College
Fall 2022
COMSC-75 (Computer Science I)
Section 204

(8/29/2022 - 12/15/2022)
Lecture Hours: Online
Lab Hours: Online
Zoom Virtual Office Hours: 09:30AM-10:30AM Monday & 9:00AM-05:00PM Fri
Instructor: Manny Kang
Phone: 408-413-9800
Email: mannykang123@gmail.com
Manjit.kang@evc.edu
Other Online Support Hours: 9:00AM-05:00PM Fri (Phone, email)

Access to Online learning canvas: Click on https://sjeccd.instructure.com/login/canvas

Enter your username and password. Click on COMSC-75.

Perquisite: MATH 21 and MATH 22 or MATH 25, or equivalent with a grade of "C" or better.

Course Description:

Programming structures of sequential, selection and repetition are covered using a high-level object oriented language. Using existing classes and creating classes, methods, argument passing, program and data abstraction (including arrays) are covered. Documentation, programming style and program design and development are addressed throughout the course.

Student Learning Outcomes:

Upon completion of this course, students will be able to:

- Design, code, debug, test, and document simple programs that use the fundamental constructs: basic computation and sequencing, decision and iterative structures, and the definition of functions (methods).
- Analyze problem descriptions, apply problem-solving methods, and use design tools to develop algorithms to solve simple problems.
- Identify and describe the properties of a variable such as its associated address, type, value, scope, persistence, and size.
- Develop programs to create and process sequential data files.
- Summarize the history and evolution of programming languages, including paradigms in current use.

Process

1. This class consists of online lecture (mostly via video) and lab—programming exercises which you will do on your own computers. You will need to install the C++ compiler. I recommend that you install the free version Code**::Blocks (a C++ IDE, or Integrated Development Environment).**

You can download from https://www.codeblocks.org/downloads/binaries/ to do r labs and programs at home computer.

Required Text

Starting Out with C++, 9th edition
By Tony Gaddis
Publisher: Pearson
ISBN-13: 978-0134498379

Lab Assignments

You will be assigned several programming projects ranging from light to moderate complexity. The material you send to the instructor must contain the source code with comments that include your name, the assignment number, and a description of the problem to be solved. Assignments will be graded on functionality, organization, readability (which includes proper use of naming and indention), and appropriate use of programming constructs.When you upload an assignment, you must name the files exactly as required in the assignment, or they will not be graded. File names may not contain blanks unless specifically required.

One Quiz will be assigned online every week.

Exams: There will be three exams and one comprehensive final. No make-up exam will be allowed. ***The final exam needs to be taken to be able to pass this class, and it is 30% of the total grade***.

- **Exams: See schedule**
- **Final Exam: Wednesday December 14, 2022**

Quizzes: The quiz will be given once or twice a week during lecturing. One problem for each quiz is worth 10 points. There is no make-up quiz.

Grades

Programming Labs (14 Labs)	100 points	20%
Weekly Discussions (14 Discussions)	50 points	10%
Weekly Quizzes (12 Quizzes)	100 Points	20%
Midterm	100 Points	20%
Final (one)	150 points	30%
Total	500 points	100%

A:90-100% ; B: 80-89% ; C:70-79% ; D: 50-69%; F: 0-49%

Quizzes, which may be announced, will be given about every week in class. Please see the weekly plan for more details.
The lowest quiz score of the course will be dropped from a student's final quiz grade average.

Class Participation and Attendance Policy

Zoom hours attendance is optional , but Online presentence will be considered every week such as discussion participation, completing lab assignments, quizzes , or other needed work on time .

Early Alert: Evergreen Valley College is committed to improving student success and believes that all students can succeed in their academic work and achieve their educational goals. Thus, it has implemented an Early Alert Program allowing instructors early in the semester to notify students who are struggling in their classes and who might be at-risk of not passing the course. Once the instructor reports that a student is at-risk of failing the course, the student will receive an email and a follow-up phone call encouraging the student to talk with his/her instructor, seek tutoring (if needed), and/or use other on-campus resources available to students.

Academic Honesty

Studies have shown that working in groups can improve performance in computer classes, so I encourage you to form study groups for working outside of online class. However, you must do your own work and take your own tests. Cheating on tests or copying someone else's work is not allowed. During a test, you are not to look at another student's work or talk to other students. If you do, I will assume that you are trying to copy an answer, and you will receive zero points on the test or quiz. If you don't understand test or quiz directions, ask me.

Please note: If I catch you cheating or plagiarizing the first time, I will warn you of the consequences and your work will receive zero points. If I catch you cheating the second time, I will forward your name to the Dean of Math and Science.

Drop/Withdrawal Policy

If you no longer wish to be enrolled in the course, call STAReg 408-223-0300 or go to http://www.evc.edu and click on MyWeb no later **than Sept 10** and receive no notation "W" on Permanent Record Card. You wish to withdraw from the course, the last day to do so Nov 21 After doing so, you will receive a "W" grade. To withdraw, again call the above number or go to http://www.evc.edu.

Math and Science Resource Center (MSRC)

The Math and Science Resource Center (MSRC) provides tutoring services to all students taking math and science classes at EVC. All tutoring and resource services are offered free on a drop-in, open-lab basis to registered math and science classes at EVC. For more information, please call (408) 274-7900, x6883, or visit http://www.evc.edu/mse/math center.htm.
Virtual tutoring Hours : Monday-Thursday 9:00 a.m.—6:00 p.m.; Friday 9:00 a.m.—1:00 p.m.

Student accessibility Services

The Americans with Disabilities Act (ADA) is a civil rights statute that prohibits discrimination against people with disabilities. The Student Accessibility Services Program at Evergreen Valley College is designed to allow students with disabilities to fully access and benefit from the general offerings and services of Evergreen Valley City College. The DSP office is located in the Student Center, room SC120. Contact Information is as follows:
Phone: 408-270-6447
Website: DSP Website
https://www.evc.edu/current-students/support-programs/dsp

Student Code of Conduct

Please review the following document for information regarding Student Code of Conduct guidelines, principles of discipline, standards of conduct, academic and classroom disciplinary procedures, student grievance procedures, and suspension and expulsion.

Please click here to access the Student Code of Conduct: EVC Student Code of Conduct
https://www.evc.edu/current-students/student-life/student-code-of-conduct

Sexual Harassment/Discrimination Policy

It is the policy of the San Jose/Evergreen Community College District to provide an educational environment in which no person shall be unlawfully denied in whole or in part full and equal access to, the benefits of, or be subjected to discrimination in any program or activity of the District. This policy prohibits discrimination on the basis of legally protected categories which include ethnic group identification, race, color, language, accent, immigration status, ancestry, national origin, age, sex, religion, sexual orientation, gender identity, marital status, medical condition, veteran status, physical or mental disability, or on the basis of these perceived characteristics or based on association with a person or group with one or more of these actual or perceived characteristics.

Please click here for further information regarding the district's Nondiscrimination Policy and sexual harassment procedure:

(http://www.evc.edu/current-students/student-life/sexual-misconduct-title-ix)

EVC Student Support Resources links:

1. Virtual Campus Canvas and tutoring online tutorials: https://www.sjeccd.edu/virtual-campus

2. Student Program links to: CALWork, Extended Opportunity Program and Services, OASISS, STUDENT HEALTH SERVICES, Veterans Freedom Center, Youth Empowerment Strategies for Success (YESS)
https://www.evc.edu/current-students/support-programs

3. Student Pantry & Resources: students are encouraged to attend the EVC Drive-Thru distribution on campus. The distribution will take place the First and Third Friday of Every month from 9:30 am-11:30 am inside of Parking Lot 1.
Students can RSVP for Future Distributions:
https://www.evc.edu/current-students/student-life/student-pantry-resources

4. Financial Aid Resources: https://www.evc.edu/current-students/financial-aid-and-scholarships/student-loans

5. Mental Health and Wellness Program: https://www.evc.edu/current-students/support-programs/student-health-services/mental-health-and-wellness-program

Important Dates to Remember

08/29/22 (Mon)	Fall 2022 Session Begins
09/11/22 (Sun)	LAST DAY TO DROP summer REGULAR classes without receiving a "W" on record or being assessed fees. LAST DAY TO DROP summer REGULAR classes with eligibility for a refund of registration fees. LAST DAY TO ADD via MYWEB using Add codes for summer REGULAR classes (10pm)
09/12/22 (Mon)	Census Day
09/12/22 (Mon)	FIRST DAY OF WITHDRAWAL "W" period for spring REGULAR classes.
11/21/22	LAST DAY TO DROP REGULAR classes and receive a "W" on record
12/15/22	Fall 2021 REGULAR Classes End

Tentative Schedule

Week	Topics & Reading	Lab and Test Assignments
1-2	Chapter 1 Introduction to Computers, Programs, and Java Chapter 2 Elementary Programming Chapter 3 Selections	Chapter01 -03 Lab Assignments Quiz
3-4	Chapter 4 Mathematical Functions, Characters, and Strings Chapter 5 Loops Chapter 6 Methods	Chapter04-06 Lab Assignments Quiz
5-7	Chapter 7 Single-Dimensional Arrays Chapter 8 Multidimensional Arrays	Chapter07-08 Lab Assignments Midterm
8-10	Chapter 9 Objects and Classes Chapter 10 Object-Oriented Thinking	Chapter09-10 Lab Assignments Quiz
11-12	Chapter 11 Inheritance and Polymorphism Chapter 12 Exception Handling and Text I/O	Chapter11-12 Lab Assignments Quiz
13-15	Chapter 13 Abstract Classes and Interfaces	Chapter13-14 Lab Assignments Quiz
16	Review Final Exam	Final Exam on 12/14/2022 Final Lab Assignment due on 12/14/2022