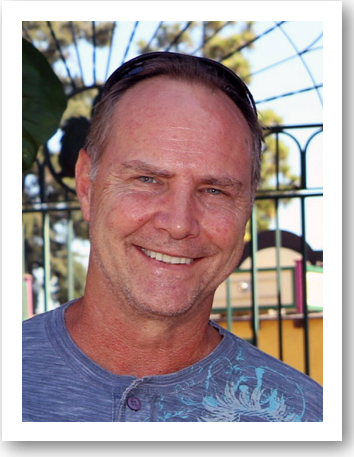
IMPORTANT! No class meetings or online meetings are required for the fully online version of this course.

Syllabus

Section	Semester	Dates	Location	Units
3732	**Spring 2023**	**Mar. 20 - May 17, 2023**	**Online**	3

Instructor Info



(http://cis.msjc.edu/instructors/Bill_Bennett)

Professor: Bill Bennett

Education: B.S. CTE, CSUSB (http://cis.msjc.edu/evoc) ; M.S. CTE, CSUSB (http://cis.msjc.edu/evoc) ; M.S. IDT, CSUF (http://MSIDT.COM)

Certifications: MCP, MCSE, MCT, CCNA, CIW

Email: bbennett@msjc.edu (mailto:bbennett@msjc.edu?subject=MSJC)

Office: Room 962 on the Menifee Valley Campus in the Bus. & Technology Center.

Office Hours: Online: Mon. 9 AM - Noon via Canvas messaging or email; on campus: Tues. 7AM - 8AM & 10:50 AM - 11:50AM.

Web Site: **http://cis.msjc.edu/Faculty/Bill_Bennett (http://cis.msjc.edu/Faculty/Bill_Bennett)**

Talk To Me

I enjoy teaching and I enjoy talking to you. If you would like to discuss course material or anything having to do with technology then I want to hear from you. The easiest way to communicate with me is through the **Help! discussion forum. (https://msjc.instructure.com/courses/33444/discussion_topics/855726)** This is intended to be for more than general questions. It should probably also say general discussion. If you feel that you would prefer a private conversation you can email me or message me through the Canvas inbox or stop by my office during office hours.

Course Description

This course introduces advanced concepts of object-oriented programming (OOP) using the Java programming language. Students will investigate and evaluate various program design methodologies and apply them to programming problems using Java. Java features that will be covered include language syntax, encapsulation, inheritance, polymorphism, advanced O-O design principles, and exception handling.

Prerequisites

CSIS 113B

Course Learning Objectives

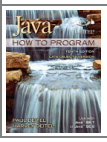
Consider, analyze, and evaluate information systems in terms of their key components: hardware, software, data, procedures, and people.
2. Apply systems concepts in the investigation, evaluation, and resolution of information technology problems.
3. Design, implement, and evaluate an appropriate and secure computer-based system, process, component, or program to satisfy required specifications.
4. Verify program correctness through the development of sound test plans and the implementation of comprehensive test cases.
5. Construct O-O Java programming solutions for re-use that incorporate encapsulation, data

abstraction, and information hiding.
6. Construct multiple-file, or multiple module Java programming solutions that use class hierarchies, inheritance, and polymorphism to reuse existing design and code.
7. Analyze technical information, as well as listen effectively to, communicate orally with, and prepare memos, reports and documentation for a wide range of audiences.
8. Investigate and assess new sources of information and learning opportunities to stay abreast of emerging information and computing technologies.
9. List career paths related to the program of study, as well as any qualifications and/or professional certifications that may be associated with those careers.

Course Learning Outcomes

- Create programs that read and write information from data files.
- Create a Java class that demonstrates the proper use of data abstraction and encapsulation.
- Use inheritance to produce a class that has an "isa" relationship
- Create Objects that have public interfaces to private data.
- Create a Java application that uses the common GUI interface component

Recommended Text

Name	Publisher	Author	ISBN	
Java How To Program	Pearson	Deitel & Deitel	0132575655	

Reading

The lecture portion of the class will cover the "big ideas" from each section, but reading ahead will serve you well because you will be reviewing material, rather than meeting it for the first time. You will find that the lectures will not simply be a repeat of the material in any text book, but will usually present it from a different angle. If you fail to do some reading, you will find yourself at a serious disadvantage in class.

Technology Requirements

Students will be required to have access to a desktop or laptop computer (Chromebooks, tablets and smartphones will not suffice) capable of running the Apache NetBeans source code editor on it. Students will need to have appropriate access to the computer and be able to follow the provided instructions for installing and configuring the Apache NetBeans source code editor.

Workload

How well you do in this class depends, to a certain extent to how much time you are willing to spend outside of class. Like all college courses, you should plan on spending three hours per week working for every unit the class is worth. Since this is a 3 unit class you should plan on spending 9 hours of work.

If you are a good student or you are satisfied with a lower grade, you may get by with less. If you have difficulty with material, or if you want to receive an A in the course, you will have to spend more time.

In this class it would be wise to budget your time. Rather than cramming all of your studies into a two day period you should try to spend 1 to 2 hours a day reading or working on problems.

Exams

There will be 2 written exams derived from the assigned reading and lab assignments. Exams can vary and may consist from small programming problems to one large project. Midterm is worth 200 pts. and the final exam is worth 200 pts.

Assignments

There will be 15 assignments in this class. Each assignment is worth 40 points for a total of 600 pts.

Submitting Work

All assignments will be submitted using the appropriate link found within Assignments content area within in the course management system. All **source** code is to be submitted individually pasted in hilite.me formatted fashion into the assignment textbox unless otherwise specified.

Please DO NOT email homework assignments to me. They will not be accepted through email under any circumstance and you will not receive any reply back from me.

Late Work

I am one who believes in giving prompt feedback. I typically grade assignments shortly after they have been submitted. For this reason, **late work WILL NOT be accepted**.

I understand that there are times when life gets in the way of your school work. If something happens to you where you are unable to participate in the class it is your responsibility to let the instructor know in a timely manner. Contacting me a few hours before or especially after the due date is unacceptable and will not be considered. Please don't ask for an extension because one will not be granted. I prefer to make other arrangements when emergencies happen.

Due Dates

All assignment are due Sunday evenings by 11:59 pm unless otherwise specified. Please be sure to submit your assignment properly. Typically when an assignment is submitted incorrectly I will notify the student and they will have a day to correct things.

Participation

The college catalog states under student responsibilities that students are to "Diligently participate in class and complete assigned course work". Therefore, you are expected to be an active participant in this class. Failure to turn in work for two consecutive weeks will; lead to you being dismissed from the class.

Communications

You are expected to communicate to me in respectful courteous manner. This means that rude disrespectful emails will not be tolerated. If I receive inappropriate communications I will suspend communicating with you through the email media immediately.

Email

You must use your MSJC email account or Canvas inbox to communicate with me. Email from accounts such as gmail tend to end up in my junk email folder and go unanswered. I pride myself in responding promptly to my students. If you do not get a response within 48 hours assume that I did not receive your email and send it again.

Academic Dishonesty

It may at times be possible for you to find a solution to your homework assignments on the web or in a book. You could probably even have someone else complete your assignments for you. please do not do this. You are only hurting yourself and the reputation of the school. I am here to help and if you are having problems then you should make an appointment to meet with me. I am sure that we can straighten out any difficulties that you are having.

I will be the first person to say that references are a great thing. Please use them as just that. Mt San Jacinto College does not tolerate cheating in any form. Anyone caught can expect disciplinary action including, but not limited to, a letter grade of 'F' in the course, a grade of 'F' for that particular assignment, removal, suspension, or expulsion.

Note:

The assignments in this class are written by the CIS department and are CIS department property. Taking my assignments and posting them anywhere on the web without my permission is a copyright violation and will be treated in as cheating in this class.

Academic Support

Academic Support is available for all students through the services provided in each campus Learning Resources Centers. See **https://msjc.edu/learningresourcecenter (https://msjc.edu/learningresourcecenter)** for which tutors are available and when.

Disability Statement

Disability statement: "Mt. San Jacinto College abides by the American with Disabilities Act and Section 504 of the Rehabilitation Act of 1973 that prohibits federal and state agencies or programs from discriminating against qualified individuals with disabilities. Students in this course who have a

documented disability, that limits a major life activity which may have some impact on your work in this class and for which you may require accommodations should meet with a counselor in **Accommodation Service Center (https://msjc.edu/asc/)** as soon as possible."

Academic Integrity & Honesty

According to the rules and regulation of MSJC's student conduct (Section 605.04B Board Policy): "Cheating, plagiarism, or other forms of academic dishonesty" are subject to disciplinary sanctions. All course work must be your original work. Any passages that are from another author must be cited properly. Assignments will be submitted to the Instructional Plagiarism Checker for review. Assignments will not receive credit where any plagiarism is not resolved.

How Homework is Graded

- 30% - All Directions Are Followed
- 15% - If it compiles without error
- 30% - If it runs to completion with proper input and output
- 25% - Program Correctness

*It is possible for your program to produce proper output and does not receive full credit. There are concepts like coupling and cohesion that will be taken into account and can affect your score. This is especially true when we start writing functions.

Homework assignments are due on their due date. Please submit just your source code to the appropriate assignment submission link (no project files please).

Grade Disputes

You have up to twenty four hours after grades have been posted to dispute your score. After three days your grade stands as it is. It is up to you to stay on top of your scores and report any errors that may have happened.

You may request a review of your score and ask for a written explanation of things you did wrong. If you want to discuss your grades further you will need to make an appointment to see me during my office hours.

Final Thoughts

Programming languages can be very challenging for people. I really want your experience in this class to be rewarding not frustrating. It is important that you grasp a topic before moving on to the next one. If you are having difficulty, it is important for you to seek out help from the tools that are in place to help you.

Grading

Your final grade in this class will be based on the total number of points you earned from completing the Assignments listed in the Schedule below divided by the total of points possible. Grade percentages are as follows: >89% = A, <89% >79% = B, <79% >69% = C, <69% >59% = D, <59% = F.

Course Point Breakdown

Homework	Exams	Total
600	**400**	**1000**

Schedule

Unit	Topic	Week	Assignments
1	Java 1 Review	March 26	1A, 1B
2	JavaFX	April 9	2A, 2B
3	Classes, Constructors	April 16	3A, 3B
4	Static Classes , Inheritance	April 16	4A, 4B
5	Polymorphism, Interfaces	April 23	5
6	Midterm Project	April 23	Midterm
7	Exceptions	April 30	7
8	Streams	April 30	8
9	Recursion	May 7	9
10	Regular Expressions	May 14	10
11	Generics	May 14	11A, 11B
12	Final Project	May 17	Final

Diversity, Equity, and Inclusiveness

Mt. San Jacinto College is committed to supporting the diversity of its students and communities and as such, this virtual classroom will be a space committed to anti-racism, anti-sexism, and anti-homophobia. I believe it is important that our class is a space where we can work to understand ourselves and others better. To do this, we must have respect for each other and treat each other with dignity, which requires that we value and affirm each other's experiences. We, the Mt. San Jacinto College Faculty, Classified Professionals, and Administrators, acknowledge there are systemic barriers that have historically excluded and prevented equal outcomes for students on the basis of:

- Race/ethnicity
- Gender Identity and Expression
- Sexuality
- National Origin
- Socioeconomic status
- (Dis)Ability
- Language
- Religion
- Age
- Physical Appearance
- Intersections of these identities.

Therefore, we define equity as an investment and commitment to achieving parity in academic outcomes by removing institutional barriers and creating an inclusive and culturally affirming learning environment. As such, we are dedicated to challenging our perceptions, biases, and blind spots through self-reflection and constant inquiry to identify and eliminate equity gaps and reinvest in our communities. Our purpose is to celebrate diversity, instill hope, and empower our students to transform their lives and those around them.

Student Support Hub

For more information about MSJC's dedication to student success see the **Student Support Hub (https://msjc.edu/hub/)** .