

CIS 35A Java Programming - Summer 2023

Instructor: Mirsaeid Abolghasemi

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Class hours: TBA - No live session - The recorded videos will be posted on Canvas.

Office hours: No office hours for summer quarters.

Course Information:

Term: 2023 Summer De Anza | **CRN:** 13083 | **Title:** JAVA PROGRAMMING | **Course:** CIS D035A62Z
| **Days:** TBA | **Time:** TBA | **Room:** ONLINE

Course Requirements:

Requisites: No requisites. | **Attendance Requirements:** Not mandatory.

Description:

Introduction to Java programming, computing context, primitive types, flow of control constructs, operators, text I/O, objects and classes, interfaces, packages, GUI and exceptions.

Student Learning Outcome Statements (SLO):

- **Student Learning Outcome:** Read, analyze and explain intermediate level Java programs.
- **Student Learning Outcome:** Create algorithms, code, document, debug, and test intermediate level Java programs.

Course Objectives:

- Identify the computing basics and Java as a programming language.
- Summarize the development of programming languages.
- Demonstrate the software life-cycle steps including design, development, styles, documentation, testing, and maintenance in the creation of a program.
- Apply data types, expressions in basic Java programs.
- Identify Input/Output functions and formatting techniques.
- Build a simple Program using operators in expressions.
- Demonstrate Flow of Control concepts in Java programs.
- Apply the techniques of structured decomposition through implementation of functions/methods to separate Java programs into simple and interactive modules.
- Apply the concepts of Arrays in Java programs.
- Identify Object Theory concepts including Overloading and Containment
- Apply the concepts of Inheritance in Object-Oriented Java programs.

- Apply abstract classes and interfaces in java programs
- Write programs to demonstrate the usage of File I/O API in Java.
- Demonstrate usage of data structures in Java.
- Demonstrate the basics of Exception Handling in Java.

Textbook:

- Introduction to Java Programming, Comprehensive Version, 10th (or after) Edition, Y. Daniel Liang, Pearson.

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| Grading: | |
| Quizzes | 35% |
| Lab Exercises (Assignments/Homework) | 20% |
| Midterm Exam(s) | 20% |
| Final Exam | 25% |
| Total | 100% |

Extra credit opportunities:

Several assignments/labs will have bonus points added when the solution is creative, documentation is extra informative.

Lectures, attendance, labs, exercises, midterm, and final:

- Assignments should be submitted before the due date. If submitted late, then the homework score will be reduced with a penalty of 10% per day.
- Assignments should be commented on with your name and team name.
- Students can use any IDEs to do their assignments.
- **Lectures:**
 - The recorded video links will be posted on Canvas.
- **Attendance:**
 - No attendance is needed but students should take the attendance quizzes.
 - No live session.
 - But students should be active on Canvas, especially in the first two weeks. I can check the students' activities on Canvas.
 - If a student was not active on the first day of class, they will be dropped from the class. So, taking the mandatory quiz and being active on Canvas are important.
- **Labs and exercises:** Students should submit the assignments in *.java format, not in zip format.
- **Quizzes:**
 - Quizzes are multiple-choice and true/false questions. (No coding)
 - Students need to have a camera on their computers.
 - Students should have Zoom installed on their computers to take the exams.
 - Students should record the exam based on the instruction posted on Canvas and upload the recorded video on their Google Drive (or any other cloud). Then share a link to the recorded video without a password. After grading, students can delete the recorded video from their Google Drive.
- **Midterm part 1:** The coding part
 - Students should do it in a team but each student should write their names and team's names on their codes.

- o Students can do it individually but teamwork is recommended. If you want to do it individually, it means you are good enough in Java, and you do not need help.
- o No presentation is needed for Midterm part 1.
- **Midterm part 2:**
 - o Midterm part 2 is similar to the quizzes (multiple-choice and true/false questions)
 - o Students need to have a camera on their computers.
 - o Students should have Zoom installed on their computers to take the exams.
 - o Students should record the exam based on the instruction posted in Canvas and upload the recorded video on their Google Drive. Then share a link to the recorded video without a password. After grading, students can delete the recorded video from their Google Drive.
- **Final part 1:** Final part 1 is the final project (the coding part)
 - o Students should do it in a team but each student should write their names and team's names on their codes.
 - o Students can do it individually but teamwork is recommended. If you want to do it individually, it means you are good enough in Java, and you do not need help.
 - o No presentation is needed for Final Part 1.
- **Final part 2:**
 - o Final part 2 is similar to the quizzes (multiple-choice and true/false questions)
 - o Students need to have a camera on their computers.
 - o Students should have Zoom installed on their computers to take the exams.
 - o Students should record the exam based on the instruction posted in Canvas and upload the recorded video on their Google Drive. Then share a link to the recorded video without a password. After grading, students can delete the recorded video from their Google Drive.
- Midterm and final parts 1 and 2 are together and students should do both parts 1 and 2 to get their midterm or final grades.

Grade average required:

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| A+ | 98% and up |
| A | 94%-97% |
| A- | 90%-93% |
| B+ | 87%-89% |
| B | 84%-86% |
| B- | 80%-83% |
| C+ | 77%-79% |
| C | 70%-76% |
| F | 69% or less |

De Anza Academy Integrity:

https://www.deanza.edu/policies/academic_integrity.html

Homework and labs must be your work to the following extent:

- Do not send your code to anyone.
- Do not copy anyone else's code.
- DO NOT LOOK AT OTHER STUDENTS WORK AND SHOW THEM YOURS.
- As long as you are not copying other's work, discussion and exchange of ideas are encouraged.

Disability Accommodations:

De Anza College views disability as an important aspect of diversity, and is committed to providing equitable access to learning opportunities for all students.

Disability Support Services (DSS) is the campus office that collaborates with students who have disabilities to provide and/or arrange reasonable accommodations. If you have, or think you have, a disability in any area such as, mental health, attention, learning, chronic health, sensory, or physical, please contact DSS to arrange a confidential discussion regarding equitable access and reasonable accommodations.

If you are registered with DSS and have accommodations set by a DSS counselor, please be sure that your instructor has received your accommodation letter from Clockwork early in the quarter to review how the accommodations will be applied in the course. Students who need accommodated test proctoring must meet appointment booking deadlines at the Testing Center. a) Midterm exam be booked at least five (5) business days in advance of the instructor approved exam date/time. b) Final exams must be scheduled seven (7) business days/weekdays in advance of the instructor approved exam date/time. Failure to meet appointment booking deadlines will result in the forfeit of testing accommodations and you will be required to take your exam with the class.

DSS Location: RSS Building, Suite 141 Phone: (408) 430-7681 Email: DSS@deanza.edu

Students with special needs to: <https://www.deanza.edu/dsps/index.html>

=> Important Dates:

(Please check the Academic Calendar on the De Anza College website. These dates may get changed.)

<http://deanza.edu/calendar>

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| Last Day for Drops w/ Refund | July 6, 2023 |
| Last Day for Drops w/o W | July 6, 2023 |
| Last Day for Drops | August 2, 2023 |

Final Exam Schedule – date and time: <http://www.deanza.edu/calendar/finalexams.html>

(Students are responsible to check the Academic Calendar for important deadlines and any changes in the deadlines.)

The schedule of the class sessions:

- No live session.
- No presentation is needed.
- No attendance is required => **But students should take the attendance quizzes every week to show they are active in class.**

Week 1: July 3- July 9

- Review the syllabus & Canvas
- Chapter 1 - Introduction to Computers, Programs, and Java.pptx
- Chapter 2: Elementary Programming
- Chapter 3: Selections_Conditional programming

- Quiz Chapter 1: Due date July 8 (Multiple attempts allowed - No recording is needed). Students can take it at any time between 9 am and 11:59 pm.)
- Quiz Chapter 2: Due date July 9 (Multiple attempts allowed - No recording is needed). Students can take it at any time between 9 am and 11:59 pm.)

- Quiz Chapter 3: Due date July 13 (Just one attempt is allowed and recording is needed). Students can take it at any time between 9 am and 11:59 pm.)

Week 2: July 10- July 16

- Chapter 4 - Mathematical Functions, Characters, and Strings
- Chapter 5 - Loops
- Chapter 06_Methods
- Chapter 07_Single-Dimensional Arrays
- Chapter 08_Multidimensional Arrays
- Quiz - Chapters 4, 5, 6: Due date July 16 (Just one attempt is allowed and recording is needed). Students can take it at any time between 9 am and 11:59 pm.)
- Quiz - Chapter 7, 8: Due date July 20 (Just one attempt is allowed and recording is needed). Students can take it at any time between 9 am and 11:59 pm.)

Week 3: July 17- July 23

- Module 2. Chapter 9_ Use Object-oriented programming concepts to design applications and computer programs.
- Module 3. Chapter 10_Object-Oriented Thinking (To be continued)
- Quiz - Chapter 9: Due date July 23 (Just one attempt is allowed and recording is needed). Students can take it at any time between 9 am and 11:59 pm.)
- About midterm part 1 and part 2

week 4: July 24 - July 30

- Midterm part 1: Due date July 26
- Midterm part 2: Due date July 27 (Just one attempt is allowed and recording is needed). Students can take it at any time between 9 am and 11:59 pm.)

week 5: July 31- August 6

- Module 4. Chapter 11_ Inheritance and Polymorphism
- Module 5. Chapters 12 and 17: Exception Handling and Text I/O & Binary I/O
- Quiz - Chapter 11: Due date August 3 (Just one attempt is allowed and recording is needed). Students can take it at any time between 9 am and 11:59 pm.)
- Quiz - Chapter 12: Due date August 6 (Just one attempt is allowed and recording is needed). Students can take it at any time between 9 am and 11:59 pm.)

week 6: August 7- August 11

- Module 6. Chapter 13: Abstract Classes and Interfaces
- Final part 1: Due date August 9
- Final part 2: Due date August 10 (Just one attempt is allowed and recording is needed). Students can take it at any time between 9 am and 9 pm.)

The dates for exams may be changed during the quarter.

=> **Very Important Notice:**

- **This item is very important:**
 - **Once students have completed the introductory survey, they are responsible for dropping classes.**
 - **Therefore, if students want to drop the class THEY NEED TO DO IT.**
 - **Please DO NOT wait for the college system or your instructor to drop you.**
 - **So, I do not accept any requests from students to drop the class or any other official communications.**
- **Again, students are responsible to check the Academic Calendar for important deadlines and any changes in the deadlines.**
- **To take the quizzes, midterm part 2, and final part 2:**

- Students should have Zoom installed on their computers to take the exams.
- Students need to have a camera on their computers.
- **Students should update their Canvas profile pictures with a picture showing their faces.**
- **Your first name and last name on Canvas should be your official first name and last name.**
- **For any questions, students should message me on Canvas (not email).**

De Anza Calendar: <http://deanza.edu/calendar>
De Anza CIS Lab: <http://www.deanza.edu/buscs/labs.html>
De Anza Canvas Web: <https://deanza.instructure.com/>
Resources On Campus:
 Tutorial: <https://www.deanza.edu/studentuccess/>
 EOPS: <https://www.deanza.edu/eops/>
 Counseling: <https://www.deanza.edu/counseling/>
Mutual Respect Policy: <https://fhdafiles.fhda.edu/downloads/aboutfhda/4110.pdf>
Student Grievance Procedure: <https://www.deanza.edu/policies/grievances.html>
Student Rights & Responsibilities: <https://www.deanza.edu/student-complaints/rights-responsibilities.html>
CARES Emergency Care Funds: <https://www.deanza.edu/resources/emergency-funds.html>
Students with special needs to: <https://www.deanza.edu/dsps/index.html>
CIS TAs and Tutors: <https://deanza.edu/cis/tutoringOnline.html>
De Anza CONNECT: <https://www.deanza.edu/counseling/retention/connect.html>