CSC 252: Programming II
Spring 2024

Professor: **Dr. Sanaz Rahimi**
Email : **rahimis@middlesex.mass.edu** (Use your Middlesex email ONLY)
Office Number: **(**781) 280-3855 (**The best way to reach me is via EMAIL**)
Blackboard: mymcc.middlesex.mass.edu
Office/ Hours:

Tuesdays in AR108 12:15-1:45
Thursdays/Fridays 1:00-2:00 via Zoom
OR by appointment via ZOOM or in-person (Check Blackboard)

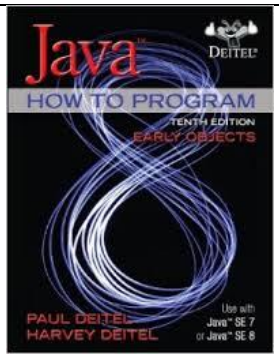
COURSE DESCRIPTION (4 Credits) :

This programming course emphasizes object-oriented design. Topics include class construction, data abstraction, inheritance, overloading, overriding, exceptions, encapsulation, static classes and polymorphism. Students use an Integrated Development Environment (IDE) to create applications in Java.

PREREQUISITES:

Completion of CSC 151 with a C or better.

MATERIALS:

TextBook	*Software*	*Access*
	 	
Java How to Program, tenth Edition, H. Deitel and P. Deitel, Prentice Hall, 2014. ISBN: ISBN-13: 978-0133807806 ISBN-10: 0133807800	NetBeans or Eclipse can be accessed using your student virtual desktop.	You need to have access to computer and internet to complete your assignments.

Learning Outcomes:
After successful completion of this course the student will gain the ability to:

- Develop effective, logical algorithms that can be input with no modifications to create cleanly interpreted Java programs.
- Demonstrate a necessary workplace skill of the transference of programming skills from one platform to another by producing successfully executing programs that contain common development elements learned in previous programming courses.
- Comprehend the basics of programming Java applications (IO, data types, and variables) to produce cleanly interpreted programs.
- Through successful program execution, distinguish between sequential processing, repetition processing, and selection processing.
- Successfully implement a simple data structure (array) and a class (String) to receive input and display output in a Java program.
- Illustrate an understanding of object-oriented programming concepts (classes, packages, abstraction, encapsulation, attributes, methods, inheritance, and polymorphism) in cleanly interpreted Java programs.
- Develop employability skills through the development of programming projects in a team environment

COURSE STRUCTURE:
I teach two sections of this course:
ONLINE Section that will be delivered entirely online and asynchronously through Blackboard**.**
HYBRID section that meets on Tuesdays (11:00-12:15) in AR108.
(NOTE: Attending lectures (Tuesdays 11:00-12:15) is NOT required for the ONLINE SECTION students of this class but highly recommended)

You will have access all of the materials such as slides, demos, and resources on Blackboard. At the beginning of each week you should check the "Announcements" section to see the tasks you need to complete for that week. You need to complete the reading and the coding assignments even if it is not required to submit.

ATTENDANCE:
Students will be expected to access materials on Blackboard a few times a week and post to Blackboard as assigned. Students who are absent 3 weeks or more may be withdrawn from the class. This includes ONLINE students who have not been present on Blackboard for 3 weeks or more.

ASSIGNMENTS AND GRADING:
You will be evaluated based on your combined performance on homework assignments, quizzes, projects and exams. I encourage you to check Blackboard Gradebook regularly – there you can see exactly what your grade is at that point in the semester.

Two Exams	30%
Quizzes	10%
Assignments	40%
Project	20%

MISSING EXAMS:

If you should miss an exam, you must let me know **BEFORE** the exam. If the excuse is reasonable, I will replace your exam score with your final exam percentage. If you miss two exams, you will receive a zero for the second exam. **No makeup exams or quizzes will be given.**

GRADING SCALE:

A	93-100
A-	90-92
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72
D+	67-69
D	63-66
D-	60-62
F	Below 60

TURNING IN HOMEWORK:

Homework assignments/projects should be submitted to the BlackBoard on the due date. Submissions after the due date and time will be considered late and lose 10% each day for maximum of two days. No assignment will be accepted after the second day unless there are circumstances such as serious illness, and only if we have discussed it and I have allowed you to do this.

COMMUNICATION:

One of the most important ways **to succeed in this class is to communicate. If you begin to feel that you are falling behind in your work or understanding in this class, please let me know as soon as possible – do not wait**. There are opportunities for you to get extra help, such as SI or Tutoring. I will also be posting important and helpful information to the Blackboard site for this class. I may contact you through your MCC email account, so you should check it regularly.

Supplemental Instruction

Supplemental Instruction (SI) is a free academic program available in this section. The purpose of SI is to help you better understand concepts and applications of course content while improving your overall grade. Your SI Leader information will be posted on Blackboard. He will be holding regularly scheduled online study sessions every week on a day/time to be determined. These study sessions are free, anonymous, and voluntary. I strongly recommend attending SI sessions whenever possible.

By attending SI sessions on a regular basis, chances are you will:

- earn a better grade
- gain a better understanding of course material
- teach and learn from your classmates
- develop effective study skills that can be applied to other classes

PLAGIARISM:

While collaborative study and seeking assistance is encouraged, **each student is expected to turn in his/her own work**. Please read and take to heart the MCC Honor Code on the next page.

I take plagiarism very seriously. *We will talk about the appropriate way to give credit to your sources in your work. If you hand in work that has been done by someone else, I almost always know. I would much rather get your own work written in your own voice and in your own unique style, with some mistakes, than someone else's perfect paper. This applies to both written and programming assignments. You will benefit greatly by doing your own work. You will seriously harm your progress and success if you use someone else's work.* ***If you hand in an assignment that is someone else's work, or if two people hand in essentially the same work, both of you will receive a zero for that assignment.***

CREDIT HOUR POLICY:

Middlesex Community College follows the Carnegie Unit for credit. Students are expected to spend a minimum of 45 hours of work for each credit. The most common breakdown for one credit is one hour of class instruction and two hours of homework for 15 weeks each semester. A three credit course demands nine hours each week.

HOURS IN CLASS (for **ONLINE** students, ON BLACKBOARD)	3 hours each week
HOURS OUTSIDE OF CLASS (reading, assignments, studying)	6 hours each week

Code of Conduct

You are responsible for knowing and understanding the MCC policies, procedures, expectations. Visit the Student Handbook website
for more information: ***https://www.middlesex.mass.edu/deanofstudents/studhand2.aspx***

Institutional Disability Services Statement

The collegiate experience at Middlesex, on the campus and in the classroom, is open to students of varying abilities and levels of adaptive skills. Supportive faculty and staff as well as fellow students encourage all students to participate in extracurricular and class activities. The DSS office provides services and resources to empower each student to attain his/her highest level of academic success and learning independence.
On our Bedford campus:

- Visit us in the Enrollment Center Building, 2nd Floor OR Call at 781-280-3630

On our Lowell campus:

- Visit us in the Cowan Center Building, 3rd Floor, Room 314 OR Call at 978-656-3258