

**MONTGOMERY COLLEGE**  
Rockville Campus  
**Engineering, Physical and Computer Sciences Department**  
**CMSC201 Java Programming Language**

**Instructor Information**

Name:  
Mailbox Location:  
Email:  
Office Hours:

Office Location:  
Office Phone:

**Course Information**

Semester:  
Class starts:  
Midterm Exam in this late start class  
Check MyMC class schedule for your Specific  
Deadline to Drop without a grade W or to change  
from audit to credit or from credit to audit

Course CRN:  
Class ends:  
Final Exam:  
Check MyMC class schedule for  
your Specific Refund Deadlines

**Course Description**

Comprehensively covers Java programming environment and features. Topics include techniques of program structure, design, and type. Using the Java language, students code, load, execute, debug, and document programs.

**PREREQUISITE(S):** *A grade of C or better in CMSC 140 or consent of department. Three hours each week. Formerly CS 213.*

*3 semester hours*

**Course Outcomes**

	Upon course completion, a student will be able to:
1.	Write simple Java programs with primitive data types, control statements, methods, arrays, String class and string utility classes.
2.	Define, extend, and work with classes and their objects.
3.	Apply inheritance and polymorphism concepts.
4.	Write, compile, execute Java programs that include Graphical User Interface ( GUI) and event driven programming
5.	Manage and process a large quantity of data using input and output.

**Course Materials**



Introduction to Java Programming, Comp Version **Plus MyProgrammingLab** with Pearson Etext –Access Card Package (Paperback) 11th Edition, Y. Daniel Liang, Publisher: Prentice Hall

**And additionally you need to buy A MyProgrammingLab Student Access Code.**

Companion Web Site: <http://www.cs.armstrong.edu/liang/intro11e/examplesource.html>

Textbook and other materials may be purchased through the bookstore

**MyProgrammingLab:**

<http://www.myprogramminglab.com>



Textbook and other materials may be purchased through the bookstore

### To register for MyProgrammingLab, you will need:

A MyProgrammingLab Student Access Code. Student Access Code purchase options include:

- New textbooks can be packaged with a Student Access Code.
- You can order access codes in a package (book + access code).

Stand-alone Student Access Codes can be purchased from your bookstore.

Purchase access online here <http://www.myprogramminglab.com>

Course Title: **CMSC 201 Java Programming**

A Course ID:

A valid email address

Your school's ZIP code

### How to register for MyProgrammingLab

- Go to [www.myprogramminglab.com](http://www.myprogramminglab.com) and click **Student**.
- Choose your registration method (redeem your Student Access Code, or purchase access online).
- Read and accept the License Agreement and Privacy Policy.
- Follow the on-screen instructions to complete your registration.
- Click the **Log in Now** link to enroll in your course.
- Verify your information is correct, and click Next.
- Type in your Course ID: and select Next.
- Verify that your information is correct and click Next.

### Grade Basis

Final Exam	25%
Midterm	15%
Quizzes	10%
Homework (Exercises in MyProgrammingLab(MPL))	15%
Projects	25%
Weekly Online Discussions	10%
<b>Total:</b>	100%

### Grading Scale:

90 - 100%	A
80 - 89%	B
70 - 79%	C
60 - 69%	D
Below 60%	F

## **General Class Policies**

- You are responsible for all work missed, and for meeting assignment due dates when absent. Please call or email your instructor if you are going to be late or absent.
- You are strongly encouraged to contact your instructor at home by phone or e-mail if you are having difficulties, or have any questions about assignments.
- Please include your name and the course information in the submitted assignments.
- Incomplete assignments receive no more than 50% of the grade.
- Assignments are considered incomplete, if they do not compile or they do not contain reasonable comments.
- There is always a means to submit your assignments on time. Be creative, be persistent, and keep your instructor informed!
- All assignments (Tests, Quizzes, Assignments, and Discussions) must be turned in on or before the due dates to receive full credits.
- Missed Tests, Quizzes, Assignments, and Discussions: NO MAKEUPS without a doctor's excuse. If the Final Exam is not taken, the student will receive a grade of F for the course.
- No late work is accepted.

## Course Topics

<b>Topics</b>
Chapter 1 Introduction to Computers, Programs, and Java
Chapter 2 Elementary Programming
Chapter 3 Selection
Chapter 4 Mathematical Functions, Characters, and Strings
Chapter 5 Loops
Chapter 6 Methods
<b>Midterm Exam</b>
Chapter 7 Single-dimensional Arrays
Chapter 8 Multidimensional Arrays
Chapter 9 Objects and Classes
Chapter 10 Thinking in Objects
Chapter 11 Inheritance and Polymorphism
Chapter 13 Abstract Classes and Interfaces
Chapter 14 JavaFX Basics
Chapter 15 Event-Driven Programming and Animations
<b>Final Exam</b>