

# Boston University Metropolitan College

MET CS232: Introduction to Programming with Java



## Overview and Description:

This laboratory course teaches the fundamentals of computer programming using the Java programming language. Topics include: syntax, data types, control structures, functions/methods, object-oriented programming, Java collections, file input/output, and JDBC.

## Instructor, Contact Email, Office Hours and Site:

### Instructor

Andrew Sheehan

### E-mail

[asheehan@bu](mailto:asheehan@bu)

### Office hours

Arranged by student with instructor.

### Official BU Calendar

<http://www.bu.edu/reg/calendars>

## Blackboard (learn.bu.edu)

CS232 relies on Blackboard. You **absolutely** need an account to access to our course. Please attempt to login as soon as you can and verify your access to our course.

## Topic Coverage

1. Expressions, Variables, Expressions and Data Types
2. Arrays
3. Control Structures
4. Classes Objects and Interfaces
5. File Input/Output
6. Exception and Exception Handling
7. Java's Collections and Generics
8. JDBC (with MySQL)

## Course Book

"Java: How to Program, 10th Ed.". Paul Deitel and Harvey Peitel. ISBN-13: 9780133807806

This book is required.

## Integrated Development Environmentss

We will be using the IntelliJ for this course. Download it [here](#)

## Lateness Policies

- Homework must be submitted via our course site on blackboard, by its due date (typically, the following week).
- There will be a 10% deduction for homework that is up to 24 hours late.
- There will be a 20% deduction for homework that is 24-48 hours late.
- **We will not accept homework that is more than 48 hours late.**
- Extensions and make-ups will only be granted on a case by case basis and must be of a very serious nature.

## Grading Policies

### Homework - 30%

Homework assignments will be given almost every week.

### In-class laboratories - 10%

Work we do during class.

### Mid-semester Examination - 30%

Covers material up to that week.

### Comprehensive Examination - 30%

Covers all the course topics and material.

## Academic Honesty

The course is governed by the Boston University Academic Conduct, Metropolitan College.

You need to be aware of its contents: [www.bu.edu/met/for-students/met-policies-procedures-resources/academic-conduct-code](http://www.bu.edu/met/for-students/met-policies-procedures-resources/academic-conduct-code)

**Course Schedule (Section C1)****Schedule of Events\* (Subject to change)**

<b>Week</b>	<b>Dates</b>	<b>Topics</b>	<b>Readings</b>	<b>Homework</b>
Week 1	January 25, 2017	Debugging, Version Control and Language Basics	Chapters 1, 2	
Week 2	February 1, 2017	Data Types, Expressions The String object Using the Scanner class	Chapters 3, 14	Homework #1 Due
Week 3	February 8, 2017	Conditional Statements	Chapter 4	Homework #2 Due
Week 4	February 15, 2017	Iterative Statements	Chapters 5	Homework #3 Due
Week 5	February 22, 2017	Arrays	Chapter 7	Homework #4 Due
Week 6	March 1, 2017	<b>Midterm Examination</b>		
Week 7	March 8, 2017	<b>Spring Break (No classes)</b>		
Week 8	March 15, 2017	Methods, Classes and Objects	Chapter 6, 8	
Week 9	March 22, 2017	Interfaces	Chapter 8, 9	Homework #5 Due
Week 10	March 29, 2017	Generics	Chapter 16	Homework #6 Due
Week 11	April 5, 2017	Files, Streams and Serialization	Chapter 15	Homework #7 Due
Week 12	April 12, 2017	Java FX and JDBC	Chapter 24, 25	Homework #8 Due
Week 13	April 19, 2017	<b>Patriots' Day Class Substitution (No classes)</b>		
Week 14	April 26, 2017	<b>Course Review and Questions/Survey</b>		
Week 15	May 3, 2017	<b>Comprehensive Examination</b>		