Programming with Java,
Boston University*

MET CS 232, Summer 2012
Day: Tuesday’s, 6:00-9:30 PM
Location: Boston Campus, Building: MCS, Room: B33
Instructor: Mike Tizio
E-mail: mtizio@bu.edu
Office Hours: Before class (Tuesday’s 5:00 PM to 6:00 PM)
BU Blackboard: http://blackboard.bu.edu/

COURSE DESCRIPTION
This course covers the elements of object-oriented programming and the Java Programming Language. Primitive data types, control structures, methods, classes, arrays and strings, inheritance and polymorphism, interfaces, creating user interfaces, applets, exceptions and streams. Laboratory course. 4 cr.

PREREQUISITE
Programming experience in a high-level language other than Java.

LEARNING OBJECTIVES
• To understand the essential concepts in computer science
• To be introduced to object oriented programming
• To learn the Java programming language

TEXT

GRADING
Programming assignments/Homework 40%
Class Participation and Attendance 10%
Midterm 25%
Final 25%

PROGRAM EVALUATION CRITERIA
Program correctness 60%
Documentation 20%
Readability 20%
SCHEDULE

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<tr>
<th>DATE</th>
<th>TOPIC</th>
<th>READING (TEXT CHAPTER)</th>
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<td>05/22</td>
<td>Introduction, Overview</td>
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<td>05/24*</td>
<td>Primitive Types, Strings, Interactive I/O</td>
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<td>05/29</td>
<td>Flow of Control</td>
<td>3, 4</td>
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<td>05/31*</td>
<td>Defining Classes and Methods, Objects and Methods</td>
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<td>06/05</td>
<td>Arrays</td>
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<td>06/07*</td>
<td>Arrays/ Array Lists</td>
<td>7, 12.1</td>
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<td>06/12</td>
<td>Midterm Exam</td>
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<tr>
<td>06/14*</td>
<td>Inheritance/Exception Handling</td>
<td>8, 9</td>
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<td>06/19</td>
<td>Streams and File I/O</td>
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<tr>
<td>06/21*</td>
<td>Other Topics(Dynamic Data Structures)/Review</td>
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<td>06/26</td>
<td>Window Interfaces Using Swing Objects/Applets</td>
<td>6.8, 8.5, 7.6, 1.4, 3.4, 4.3, 5.4, 6.8, 8.5, 9.4</td>
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<td>Final Exam</td>
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IMPORTANT NOTES

- Reading the relevant material in the textbook is essential for gaining a thorough understanding of the topics covered in the course.
- Not all of the material in each chapter will be covered during lecture/discussion, but the material should be read in any case.
- Your programs must be done in Java. Assignments are due before the start of class. An entire letter grade will be deducted for each day a programming assignment is late. All programming assignments must include the source code, pseudo code (program outline) including test plan, as well as the binaries. Programming assignments will not be accepted later than 3 days after the assignment due date, the following Friday at 6:00 PM.
- Be sure to get a copy of "2012 Spring Schedule". It contains lots of useful data such as radio stations announcing class cancellations, important dates, etc. (http://www.bu.edu/reg/dates/idates-spring12.html)
- Inclement weather: BU will announce University closures by a recording via 617-353-SNOW or on its website at www.bu.edu. As a last resort for information, call the University operators at (617) 353-2000.

ACADEMIC HONESTY

The course is governed by the Academic Conduct Committee policies regarding plagiarism (any attempt to represent the work of another person as one's own). This includes copying (even with modifications) of a program or a segment of code. You can discuss general ideas with other people, but the work you submit must be your own. Collaboration is not permitted.

ELECTRONIC MAIL

To be sure you can communicate with the instructor electronically and to add your email to the class distribution list, please send a test message with the subject line CS232-B1 TEST to the instructor’s email address – include your name in the body of the message.

HOW TO APPLY FOR A BU ACS ACCOUNT

You need an ACS account to access the course’s website. If you do not have an ACS account, you can apply for one by following the directions at this site: http://www.bu.edu/computing/accounts/acsaccounts/

(*Course outline courtesy Mike Hadavi, Professor, BU Met College.)