

Course: MS-382 Java Programming (Section 101)

Lecture/Lab: Mon, Wed: 6:00pm – 7:15pm in CC-53

Instructor: Dr. Jeffrey Blessing

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Office: R-305

Hours: Mon, Wed, Thurs: 10:00am – 10:50am, 3:00pm – 3:50pm, and by app'tmt.

Phone: 277-7194

Text: *Java: How to Program, 6th Ed.*, by Deitel & Deitel, Prentice-Hall, 2005.

Description: The beginning programmer is introduced to the syntax and semantics of the Java programming language. Students write several programs exploring basic techniques covering the concepts of: expressions, data types, flow of control, modularity of code, program documentation and commenting style. Simple data structures are introduced, along with the basic object model concept and simple class constructs. Problems from the world of business are used in programming assignments. (prereq: MA-127)

Importance: In just ten years, Java has become one of the most important programming languages in computing. It combines a general purpose programming language with a wealth of libraries to provide for all aspects of modern-day computing, in one standardized language. With Java, programs can be written which will run in a stand-alone environment or on a web page from an internet browser. All forms of networking are possible, as well as multi-threaded applications, which take advantage of parallel, multi-processor architectures. Graphics and windowing applications are also incorporated into the language, as well as database access using all standard data models. The Java language continues to grow, to encompass virtually every purpose for which people write programs. All this is done in an operating system and architecture-neutral way, which promises programmers that applications written for Java will run on virtually any platform. In short, all the programming tasks, which used to require several languages to implement, can now be done in one language.

Prerequisites:

1. MA-127 College Algebra II
2. A laptop computer with a working Java Development Kit
3. Access and knowledge of using browsers on the World Wide Web.

Grading:

Programs	30%
Weekly Quizzes (every Wed)	30%
Final	30%
Attendance	10%

No incomplete grades or makeup exams will be given without very extenuating circumstances.

(over)

Attendance: Attendance will be taken at every class meeting. Exam material will come from both the textbook and class discussions. **Note:** Students will NOT be automatically dropped from the roster if 3 successive classes are missed. Students wishing to drop this course must file a drop form with the Registrar's Office by 4:30pm on Monday of week 8.

Class Sharing: You are encouraged to share information found in newspapers, books, periodicals, on the web, etc. related to the topics in this course. You can even go as far as to show another student your work. However, you are not to give your work to other students. If you use content from another source, you must reference that source in your work. Any attempt to pass off someone else's work as your own is plagiarism and is subject to academic discipline.

Late Policy: Assignments are due at the beginning of the class period that was designated as their due date. A 10% penalty will be assessed for each day an assignment is late.

Note: Be sure to view the Course Outline and Class Schedule on the course web page listed at the top of this form. In general, any MSOE course can be browsed for content and objectives at the following URL:

<http://www.msoe.edu/eecs/cese/courses/courselist.php>