

Course: **MS-3804 Advanced Java Programming (Section 001)**

Lecture: Tue, Thrs and Fri: 12:00pm – 12:50pm in R-201

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Office: R-305

Hours: Mon – Thrs: 10:00am – 10:50am and 2:00pm – 2:50pm

Fri: 2:00pm – 2:50pm, and by appointment.

Phone: 277-7194

Text: *The Complete Java Training Course, 5th or 6th Ed.*, by Harvey Deitel & Paul Deitel, Prentice Hall, 2004, ISBN #0-13-101766-7 (5th Ed.)

Description: In just a few short 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-process 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.

Objective: This course is designed for Java programmers who have taken previous courses in Java programming. Topics to be covered are described on the Course Outline and Class Schedule, which are posted on the course web page.

Prerequisites: 1. MS-3803 Intermediate Java Programming
2. A laptop computer with a working Java Development Kit
3. Access and knowledge of using browsers on the World Wide Web.

Grading: Programming Assignments 40%
Weekly Quizzes (every Thrs) 30%
Final (week 11) 30%

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

Attendance: Although not reflected in the grading for this course, attendance is strongly encouraged. If chronic absenteeism is a problem, attendance will be taken. Exam

(over)

material will come from both the text 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.

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.

Topics: *See the Course Outline and Class Schedule on the course home page.* 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>