



COURSE SYLLABUS

CGS 3416
Java Programming for Nonspecialists

Prerequisite: CGS 3406

Fall Semester 2005

CLASS SCHEDULE: There will be two 75 minute lectures and one 75 minute recitation per week.

CONTACT:

Professor: Dr. Stephen P. Leach
Email : leach@cs.fsu.edu
Phone : 644-6212
Office: 171 Love Building
Office Hours: TR 9:15-11:30

TEACHING ASSISTANT: TBA

COURSE POLICIES:

Assignments/Responsibilities:

Exams	40%
Final Exam	20%
Assignments	40%

Attendance:

Attendance at all lectures and recitations is required, and will be monitored. Each absence (excused or unexcused) in excess of five will result in a one point deduction from your final average.

Missed Exams/Late Assignments:

Students will not be allowed to make up a missed exam due to an unexcused absence. Late assignments will receive a 25% per day (or part thereof) penalty.

Grading/Evaluation:

92-100	A	88-89	B+	78-79	C+	68-69	D+	0-59	F
90-91	A-	82-87	B	72-77	C	62-67	D		
		80-81	B-	70-71	C-	60-61	D-		

COURSE MATERIAL:

Name: ***Java How to Program, 6th Edition***
Author: ***Deitel and Deitel***
Publisher: ***Prentice Hall (2004)***

COURSE DESCRIPTION:

Prerequisite: CGS3406 or an introductory programming course in C++. An introduction to the programming language Java. Topics include Java basics, a review of structured and object-oriented programming concepts, classes, constructors, interfaces, exceptions, I/O, graphics concepts, jar files, compilation, virtual machines, applications, applets, APIs, HTML, XML and XHTML.

COURSE OBJECTIVES:

A student who has completed this course with a passing grade should be able to:

- *Construct well-designed programs using the basic Java constructs.*
- *Demonstrate an understanding of the object-oriented paradigm.*
- *Demonstrate competence with the use of classes, constructors, interfaces, exceptions and I/O.*
- *Demonstrate an understanding of graphics concepts, the compilation process, jar files, applications, applets and APIs.*
- *Demonstrate an understanding of HTML, XML and XHTML.*
- *Construct an object-oriented solution to a problem using appropriately designed classes.*

ACADEMIC HONOR CODE:

Students are expected to uphold the Academic Honor Code published in The Florida State University Bulletin and the Student Handbook. The Academic Honor System of The Florida State University is based on the premise that each student has the responsibility (1) to uphold the highest standards of academic integrity in the student's own work, (2) to refuse to tolerate violations of academic integrity in the university community, and (3) to foster a high sense of integrity and social responsibility on the part of the university community.

Please see the following web site for a complete explanation of the Academic Honor Code.

<http://www.fsu.edu/Books/Student-Handbook/codes/honor.html>
<http://www.fsu.edu/Books/Student-Handbook/>

EXAM DATES:

Exam #1: TBA Exam #2: TBA
Final Exam: TBA

WEEK-BY-WEEK TOPICS:

Week	Topic
1	Introduction to Java Applications
2	Review of Classes and Objects
3	Review of Control Structures
4	Detailed Look at Methods
5	Detailed Look at Classes and Objects; Exam #1
6	Detailed Look at Classes and Objects (continued)
7	Inheritance
8	Polymorphism
9	Introduction to GUI Components
10	Graphics; Exam #2
11	Exception Handling
12	Files and Streams
13	Introduction to Java Applets
14	Applets and Applications
15	Final Exam

AMERICANS WITH DISABILITIES ACT:

Students with disabilities needing academic accommodation should: (1) register with and provide documentation to the Student Disability Resource Center; (2) bring a letter to the instructor indicating the need for accommodation and what type. This should be done during the first week of class.

For more information about services available to FSU students with disabilities, contact:

Student Disability Resource Center**97 Woodward Avenue, South****Florida State University****Tallahassee, FL 32306-4167****(850) 644-9566 (voice)****(850) 644-8504 (TDD)****sdrc@admin.fsu.edu****Mail code: 4167****<http://www.fsu.edu/~staffair/dean/StudentDisability/>**