

**MSI 572 - Introduction to Java**  
**University at Albany, State University of New York**  
**Fall 2001**

**Instructor Information**

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Office Hours: MW 1:30-3:30 or by appointment

**Class Information**

Time: MW 10:10 - 12:10  
Room: BA 209 / MIS Lab  
Dates: Aug 27 - October 4  
Credit(s): 1  
Call #: 4662  
Available Labs: MIS Lab (BA 234), LC4

**Course Overview**

This course provides an introduction to programming using JAVA language. The course teaches the basic constructs of the language and covers some aspects of object oriented programming. The course will start with a discussion of data types and flow control and then delve into issues like abstraction and inheritance. This is going to be a very fast paced class with a lot of new material in every class. This is a programming class so a lot of effort is required outside of the class in programming assignments. We will spend the first half of the class in the classroom learning the language constructs and use the second half of the class in the MIS lab doing programming. In each class you will get an assignment to complete in the class. Since there may not be enough computers in the lab multiple people will share computers.

**Text & Reference Books**

Text: Ira Pohl & Charlie McDowell, *Java by Dissection, The essentials of Java Programming*, Updated Edition.  
Reference: Peter Van Der Linden, *Just Java*, 2<sup>nd</sup> Edition.  
Reference: Allen Vermeulen et.al, *The Elements of Java Style*.

**Grading**

Homework: 30%  
Class Participation: 10%  
Project: 30%  
Final Exam: 30%

**Course Schedule**

Lec.	Date	Time	Topics	Readings	Homework
1	Aug 27	5:45-7:00	Programming in Java, types, operators, expressions, simple IO, elements of style	Ch 1,2	Ch 2 (#11-13)
2	Aug 29	7:15-8:35	Control Flow and Statements	Ch 3	
3	Sept 5	5:45-7:00	Object Oriented Paradigm: UML Diagrams	Ch 4	Ch 4 (#3,13,20)
4	Sept 10	7:15-8:35	Vectors, Arrays and Collections	Ch 4	
5	Sept 12	5:45-7:00	Strings	Ch 5	
6	Sept 24	7:15-8:35	Data Abstraction	Ch 6	
7	Sept 26	5:45-7:00	Inheritance	Ch 7	
8	Oct 1	7:15-8:35	File IO / Exceptions	Ch 10	
9	Oct 3	5:45-7:00	Exam	Ch 11	
10	Oct 8	7:15-8:35	Project Questions		
11	Oct 10	7:15-8:35	Finish Project		