

**King Fahd University of Petroleum and Minerals**  
**College of Computer Science and Engineering**  
**Information and Computer Science Department**  
**Second Semester (052)**  
**ICS 102 - Introduction to Computing**  
**Web site: [webcourses.kfupm.edu.sa](http://webcourses.kfupm.edu.sa)**

**Catalog Course Description:**

Overview of computers and computing. Introduction to a typical programming language, such as Java. Basic data types and operators. Basic object-oriented concepts. Wrapper classes. Console input/output. Logical expressions and control structures. Memory models and methods. Arrays and strings. More object-oriented concepts.

**Textbooks:**

"Absolute Java" by Walter Savitch, Addison Wesley, First Edition, 2004

**Grade Distribution:**

<b>Activity</b>	<b>Weight</b>
Lab (5 Lab Quizzes)	20%
Quizzes(4)	10%
Homework(5)	10%
EXAM 1 (12:30-2:30 PM on Thursday, March 23, 2006)	15%
EXAM 2 (12:30-2:30 PM on Thursday, April 27, 2006)	20%
Final	25%

**Notes:**

- Lectures and labs are integrated and they complement each other.
- Cheating will be reported to the Department Chairman.
- Attendance will be checked at the beginning of each class.
- Each 2 Late attendances will be considered as one absence.
- An official excuse must be shown within one week of return to classes.
- Absence of more than 9 hours will result in a **DN** grade.
- $\frac{1}{2}$  % will be deducted for each lecture absence.
- 1% will be deducted for each lab absence.
- No make-up of Labs, Quizzes, Assignments and Exams.

### Lecture and Lab Schedule:

Lecture	Week	Topic	Textbook	Lab#	Lab Topic
1	1	Introduction to Computing		0	Introduction
2		Introduction to Java	1.1		
3	2	Expressions and Assignment	1.2	1	Getting started with Java
4		Strings	1.3		
5	3	Screen Output and Console Input	Handout	2	Expressions
6		Problem Solving			
7	4	Selection Structures	3.1	3	Strings
8		Selection Structures	3.2		
9	5	Loops	3.3	4	Selection Structures
10		Loops	3.3		
11	6	Problem Solving		5	Loops
12		Problem Solving			
13	7	Classes	4.1	6	Major Exam 1 Discussion
14		Classes	4.2		
15	8	Classes	4.3	7	Classes I
16		Classes	4.4		
17	9	Classes	5.1	8	Classes II
18		Classes	5.2		
19	10	Classes	5.3	9	Classes III
20		Classes	5.4		
21	11	Problem Solving	4, 5	10	Classes IV
22		Problem Solving			
23	12	Arrays	6.1	11	Major Exam 2 Discussion
24		Arrays	6.2		
25	13	Arrays	6.3	12	Arrays I
26		Arrays	6.4		
27	14	Exception Handling	9.1	13	Arrays II
28		File I/O	10.2		
29	15	Problem Solving			File I/O
30		Problem Solving			