

King Fahd University of Petroleum and Minerals
College of Computer Science and Engineering
Information and Computer Science Department
Spring Semester (062)
ICS 102 - Introduction to Computing I
Web site: 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, Second Edition, 2006

Grade Distribution:

Activity	Weight
Lab (Quizzes + Project)	20%
Quizzes (4)	10%
Homework (5)	10%
EXAM 1 (7:00-9:00 PM on Wednesday, March 28, 2007)	15%
EXAM 2 (7:00-9:00 PM on Wednesday, May 9, 2007)	20%
Final (7:00-9:00 PM on Tuesday, June 5, 2007)	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 6 hours will result in a **DN** grade.
- ½ % 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		1	Introduction to Linux
2		Introduction to Java	1.1		
3	2	Expressions and Assignment	1.2	2	Getting started with Java
4		Strings	1.3		
5	3	Screen Output and Console Input	2.1, 2.2	3	Expressions (Quiz I - Linux , 1%)
6		Problem Solving			
7	4	Selection Structures	3.1	4	Strings
8		Selection Structures	3.2		
9	5	Loops	3.3	5	Selection Structures (Quiz II - Exp. & Strings, 3%)
10		Loops	3.3		
11	6	Problem Solving		6	Loops
12		Problem Solving			
13	7	Classes	4.1	7	Introduction to File I/O (Quiz III - Selection & Loops, 3%)
14		Classes	4.2		
15	8	Classes	4.3	8	Classes I
16		Classes	4.4		
	9	Midterm Break		9	Classes II
17		Classes	5.1		
18	10	Classes	5.2	10	Classes III (Quiz III - Classes I & II, 3%)
19		Classes	5.3		
20	11	Classes	5.4	11	Classes IV (Project, 5%)
21		Arrays	6.1		
22	12	Arrays	6.2	12	Arrays I (Quiz IV - Classes III & IV, 3%)
23		Problem Solving			
24	13	Arrays	6.3	13	Arrays II
25		Arrays	6.4		
26	14	Exception Handling		14	File I/O (Quiz V - Arrays, 3%)
27		File I/O			
28	15	Problem Solving	9.1	15	Project Discussion
29		Problem Solving	10.2		
30	16	Problem Solving			