Course Title: Computer Programming
Course number: CSC111
Instructor Name: Dr. Touir Ameur
e-mail: touir@ccis.ksu.edu.sa

1. Course Description:

CSC111 Computer Programming (4 Credit Hours)

1- Introduction to Computers and Programming Languages – Byte code and Java Virtual Machine.

2- Introduction to Object-Oriented Programming and Software Development. Java fundamentals and Getting Started with Java.


4- Introduction to Objects and Classes
Defining and using a Class - Defining and using Multiple Class – Matching Arguments and Parameters – Passing objects to a method – Constructors – Information Hiding and Visibility Modifiers – Class constants – Local Variables – Calling Methods of the same class.

5- Control Structures
Boolean expressions - Selection Statements - Repetition Statements.

7- Classes and Objects in depth
Object oriented principles : encapsulation – UML representation of a class Returning an object from a Method – Overloaded Methods and Constructors. Passing Parameters
2. The Textbook

An Introduction to Object-Oriented Programming with Java,

C. Thomas Wu (Otani), Fourth edition
McGraw-Hill

3. Assessment Methods & Policy:

Homework, Quizzes and Attendance 15% (5 %, 5 %, 5 %)
Lab. 15%
Written Midterm Exams 30 % (Midterm exam 1 & Midterm exam 2)
Written Final Exam 40 % (scheduled according to University calendar)

Important dates:
1st midterm exam will be 1/12/2008
2nd midterm exam will be 10/1/2009

Homework:
Homework will be assigned and graded. All homework will be given with a strict deadline, and students are required to submit their assignments on or before the deadline.

Quizzes:
In-class quizzes will be given throughout the semester to assess the desired course outcomes.

Midterm:
2 Midterms will be given. It will be a closed book and closed note exam and will cover the studied part of the course.
**Final:**
A comprehensive final examination will be given. It will be a closed book and closed note exam and will cover all course material.

**Deadline Policy:** All assignments will be given with a strict deadline, and students are required to submit their assignments on or before the deadline. Homework will be collected at the start of the class on the due date, and late submissions will not be accepted. In case of extenuating circumstances, students are advised to contact the professor as soon as practical. You are encouraged to discuss the course and the assignments with each other; however, your exams and homework should be your own work.

**Attendance Policy:** Attendance will be taken. Attendance will be graded as cited above, and may be used as a deciding factor when final average is between grades.

**4. Computer usage:**
All home works or projects documents should be submitted using Ms-Word and/or appropriate computer software. No hand written submission will be accepted.