Instructor: Dr. Waleed A. Yousef

TA:
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Texts:

Ref.:

Prerequisite:
  CS111 (it is very recommended that at least one programming course and a course in data structures are studied).

Objectives:
  Three main objectives are in this course: First, to develop the maturity of the programmer to consider very important issues related to software than pure programming aspects. Second, to learn the UML as a design language. Third, to be very comfortable design using CASE tool, e.g., the open source StarUML. This course is the first part of a two-semester course; the second part is SWEII.

Syllabus:
  The course covers the first half (16 chapters) of Sommerville in lecturers; almost at the rate of one chapter per lecture. The labs will cover the following:
  - UML design from Stevens; almost the half of the book.
  - Following up the project progression and assigning grades.
  - Using the CASE tool, which will be StarUML: [http://staruml.sourceforge.net/](http://staruml.sourceforge.net/)

Project:
  1- Groups should be formed in the first week.
  2- Projects should be selected (from the offered list) or proposed by the end of second week.
  3- Any fudging, copying, or any form of illegal reproduction results in getting a grade of -3 out of 30.

Grading:
  Homeworks and Midterm: 10%, Project: 30%, and Final Exam: 60%.