

**King Saud University**  
**College of Applied Studies & Community Services**  
**Program: Computer Science and Engineering**  
**First Semester: 1442/ 1443**  
**System Analysis and design CT1312**

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**Instructor:** Sara Almoodawah

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**Office:** Building 26 Room 2

**Office hours:** Sunday (10-11), Monday (10-11), Wednesday (10-11)

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**Course Objectives:**

Students are introduced to System analysis and design methodologies; Analysis and design forms; System analysis and design phases; Details of the analysis and design phases; Testing phase; Quality assurance; Case studies.

**Text Book:**

Modern Systems Analysis and Design ,

Joseph S. Valacich  
Joey F. George  
Jeffrey A. Hoffer

**Reference:**

Slides, lecture notes and the text book

**Assessment Plan for the Course:**

<b>MidTerm</b>	40%
<b>Assignments and quizzes</b>	20%
<b>Final</b>	40%

## Course Topics:

<b>Week#</b>	<b>Topic</b>
1	<i>Introduction</i>
2	<i>The Systems Development Environment</i>
3	Succeeding as a Systems Analyst
4	Succeeding as a Systems Analyst
5	<i>Managing the Information Systems Project</i>
6	<i>Automated Tools for Systems Development</i>
7	<i>Identifying and Selecting Systems Development Projects</i>
8	Determining System Requirements
9	<i>Mid Term</i>
10	<i>Structuring System Requirements:</i> <i>Process Modeling</i>
11	<i>Structuring System Requirements:</i> <i>Logic Modeling</i>
12	<i>Structuring System Requirements:</i> <i>Conceptual Data Modeling</i>
13	<i>Selecting the Best Alternative Design Strategy</i> <b>DFD</b>

## Notes:

- Late assignment submission will be not accepted.
- Students are encouraged to discuss assignments but not copy.
- If you miss an assignment, you will get on a zero.
- Missed Midterm exams can be made up in cases of extreme circumstances and it covers all chapters.
- Attendance is very important if you absent more than 25% you will be forbidden to enter the final exam.