Al al-Bayt University
Information Technology College
Information Systems Department

902444 INFORMATION SYSTEMS ANALYSIS AND DESIGN
First Semester 2012/2013

Course Catalog

The course material encompasses the concepts, tools, and techniques required to analyze and design business information systems. The course will include structured development approaches and the system development life cycle, as well as rapid application development through alternative approaches such as prototyping. Emphasis will be given to the role of information systems in organizations and how they relate to organizational objectives and structure. Students will be introduced to system analysis and design modeling tools such as data flow diagrams, entity-relationship diagrams, data dictionaries, decision tables, decision trees, structured English, and structure charts.

The course methodology will include assigned readings from the textbook, lecture, written assignments and class discussions.

Textbook(s)

Title	Systems Analysis and Design
Author(s)	Kenneth E. Kendall and Julie E. Kendall
Edition	8th Edition
Publisher	Prentice Hall / Pearson Education
Year	2011

References

Books	Modern Systems Analysis and Design Jeffrey A. Hoffer **,** Joey George **,** Joe Valacich 7th Edition, 2011 Prentice Hall / Pearson Education ISBN: 013608821X

Instructor

Name	Mohammed Kofahi
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Class Schedule and Locations	
Section 1: Time(s): 11:00 – 12:30 Mon, Wed Location: مق 289	**Section 2:** Time(s): 12:30 – 14:00 Mon, Wed Location: مق 280

Office Hours
Sun: 14:00 - 15:00, Tue: 10:00 -11:00, Thu: 11:00 – 12:00, Wed: 10:00 – 11:00

Course Objectives	Assessment Methods
After successfully completing this course, the student will be able to: 1. Know what is meant by System Development Life Cycle (SDLC) and the main activities involved in each stage of the (SDLC). 2. Determine the most appropriate systems development method to use in various scenarios. 3. Determine and document a project management plan for information system development cases. This plan will include components that address the development's schedule, process and quality. 4. Use systems analysis models to document the information system requirements of an organization. 5. Use system design models to propose an information system design for an organization. 6. Document information system requirements and propose an information system design for a real organization.	Exams Homework and assignments Team Project

Evaluation		
Assessment Tool	**Expected Due Date**	**Weight**
First Exam	Monday 15/ 10/ 2012	20%
Second Exam	Monday 26 / 11 /2012	20%
Term paper, Quizzes and Participation	TBA	10%
Final Exam	30-12-2012 to 6-1-2013	50 %

Tentative Schedule			
Week	**Part Name**	**Topic**	**Readings**
1	**SA Fundamentals**	Introduction, Assuming The Role of the Systems Analyst	Ch(1)
1,2		Understanding Organizational Style and its impact on IS	Ch(2)
2		Project Management	Ch(3)
3		**First Exam (Monday 15/ 10/ 2012)**	**Ch 1,2,3**
3	**User Requirements Analysis**	Information Gathering :Interactive Methods Interviews, Questionnaires, Observations	Ch(4)
4		Information Gathering :Other Methods , Sampling	Ch(5)
4		Agile Modeling and Prototyping	Ch(6)
5	**The analysis Process**	Data Flow Diagrams	Ch(7)
5		Process Specifications : Decision Trees , Decision Tables	Ch(9)
6		**Second Exam (Monday 26 / 11 /2012)**	**Ch 4,5,6,7,9**
6	**The Essentials of Design**	Designing Output	Ch(11)
6		Designing Input	Ch(12)
7		Designing Databases	Ch(13)
7		Discussion of Papers and Review for Final Exam	
8		**Final Exam (30-12-2012 to 6-1-2013)**	

Policies	
Attendance	It is strongly recommended that students attend all course lectures. Also, university regulations mandate that students may not miss more than 10% of classes without valid excuses. In all cases, they may not miss more than 20% of classes. Should they do, they will not be allowed to take course exams.
Homework	Students are expected to submit homework and assignments on time.
Exams	Exams will be close-book. Exam dates are subject to change according to departmental and university schedules.
Plagiarism	You should not copy other people's work and claim it is yours. Detected plagiarism will be dealt with as per university regulations.

Last updated 12/09/2012