

Kingdom of Saudi Arabia
The National Commission for Academic Accreditation & Assessment

240CIS-3
Information Systems Analysis and Design

Course Specification
First Semester 2016-2017

Course Specification

Institution : Najran University	Date of Report : 05-May-2017
College/Department : College of Computer Science and Information Systems, Department of Information Systems	

A. Course Identification and General Information

1. Course title and code : Information Systems Analysis and Design, 240CIS-3		
2. Credit Hours : 3		
3. Programs : Bachelor of Information Systems		
4. Name of the faculty member responsible for the course: Dr. Fekry Olayah		
5. Level of the Course offered : Level - 4		
6. Pre-requisites for this course : N/A		
7. Co-requisites for this course : N/A		
8. Location : Male Campus		
9. Mode of Instruction :		
a. Traditional classroom	<input type="checkbox"/> What percentage?	<input type="text"/>
b. Blended (traditional and online)	<input type="checkbox"/> What percentage?	<input type="text"/>
c. e-Learning	<input type="checkbox"/> What percentage?	<input type="text"/>
d. Correspondence	<input type="checkbox"/> What percentage?	<input type="text"/>
e. Other	<input type="checkbox"/> What percentage?	<input type="text"/>
Comments:		

B. Objectives

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C. Course Description (Note: General description in the form to be used for the Bulletin or handbook should

1. Topics to be Covered		
List of Topics	No. of Weeks	Contact Hours
1. Introduction	1	
2. System Development in an Organizational Context	1	
3. Managing the Information System Projects	1	
4. Determining System Requirements	1	
5. Analyzing System Process Requirements	1	
6. Object Oriented Analysis and Design: Use cases	1	
7. Object Oriented Analysis and Design: Activity Diagrams	1	
8. Object Oriented Analysis and Design: Sequence Diagrams	1	
9. Analyzing System Data Requirements	1	
10. Object Modeling: Class Diagrams	1	
11. Database, Forms & Reports Design	1	
12. Interface & Dialogue Design	1	
13. Implementing and Maintaining the System	1	
14. Review	1	

2. Course components (total contact hours and credits per semester):

	Lecture	Tutorial	Laboratory	Practical	Other	Total
Contact Hours	28	--	--	--	--	28
Credits	3					3

3. Additional private study/learning hours expected for students per week.

4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy

	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Method
1.0	Knowledge		
1.1	Not applicable to this course		
2.0	Cognitive		
2.1	Not applicable to this course		
3.0	Interpersonal		
3.1	Not applicable to this course		
4.0	Communication		
4.1	Not applicable to this course		
5.0	Psychomotor		
5.1	Not applicable to this course		

5. Schedule of Assessment Tasks for Students During the Semester

	Assessment task	Week Due	Proportion of Total Assessment
1.	Quiz 1		5 %
2.	Quiz 2		5 %
3.	Midterm Examination 1		15 %
4.	Midterm Examination 2		15 %
5.	Assignments		10 %
6.	Final Exam		50 %

D. Student Academic Counseling and Support

1.

E. Learning Resources

1. List Required Textbooks - Modern System Analysis & Design- Jeffrey Hpffer, Joey George, Joseph Valacich, 6th edition, Pearson, (Available in Prince Mishal Library)
2. List Essential References Materials (Journals, Reports, etc.)
3. List Recommended Textbooks and Reference Material (Journals, Reports, etc) - Modern System Analysis & Design- Jeffrey Hpffer, Joey George, Joseph Valacich, 6th edition, Pearson, (Available in Prince Mishal Library) a. "Systems Analysis and Design", (latest edition), Kendall & Kendall, Prentice-Hall b. "Systems Analysis and Design Methods", (latest edition), J.L. Whitten, L.D. Bentley, K.C. Dittman, Prentice-Hall.
4. List Electronic Materials (eg. Web Sites, Social Media, Blackboard, etc.) -

5. Other learning material such as computer-based programs/CD, professional standards or regulations and software.

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F. Facilities Required

Indicate requirements for the course including size of classrooms and laboratories (i.e. number of seats in classrooms and laboratories, extent of computer access etc.)

1. Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)

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2. Computing resources (AV, data show, Smart Board, software, etc.)

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3. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements or attach list)

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G. Course Evaluation and Improvement Processes

1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching

Methods

Ways

Plan of Action

2. Other Strategies for Evaluation of Teaching by the Program/Department Instructor

3. Processes for Improvement of Teaching

4. Processes for Verifying Standards of Student Achievement (e.g. check marking by an independent member teaching staff of a sample of student work, periodic exchange and remarking of tests or a sample of assignments with staff at another institution)

5. Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement.

Teaching Staff : Dr. Fekry Olayah

Signature : _____

Date of Report Completed : 26-Jan-2017

Received by : _____

Dean/Department Head

Signature : _____

Date : _____

