



Course Specifications

Course Title:	Systems Analysis and Design 2
Course Code:	MIS10702
Program:	Management Information Systems
Department:	Management Information Systems
College:	College of Business Administration
Institution:	Albaha university

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A. Course Identification

1. Credit hours: 3
2. Course type
a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/>
b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
3. Level/year at which this course is offered: 7th level / 4rd year
4. Pre-requisites for this course (if any): System Analysis and Design (1) (16041606)
5. Co-requisites for this course (if any): - Systems Analysis and Design (1)- MIS10601

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	30	%67
2	Blended		
3	E-learning	15	%33
4	Distance learning		
5	Other		

7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	Lecture	30
2	Laboratory/Studio	-
3	Tutorial	15
4	Others (specify)	-
	Total	45

B. Course Objectives and Learning Outcomes

1. Course Description

This course introduces students to the principles of object-oriented systems analysis and design and the importance of business processes, flow diagrams and systems modeling in designing effective system outputs and inputs. It also introduces students to quality concepts and practices such as data entry procedures and total quality assurance that are essential for developing a functional information system.

2. Course Main Objective

Develop student's knowledge and skills in essential concepts and practices employed in the analysis and design of information systems.

In order to enhance the students' experience and productivity and help them develop a wide spectrum of practical skills and knowledge in analyzing and developing new systems using different methodologies, the course should emphasize on exercises that help students apply the different concepts and skills they learned.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge and Understanding	
1.1	Describe Object Oriented Systems Analysis and Design Concepts.	K1
1.2	Recognize the difference between structured and semi structured decisions.	K2
1.3	Articulate the importance of total quality in improving system design	K3
2	Skills :	
2.1	Create logical and physical diagrams that illustrate the proposed system	S1
2.3	Design effective and efficient data capture approaches	S3
2.4	Demonstrate effectiveness in working in a group	S5
3	Values:	
3.1	Develop time management skills	V1

C. Course Content

No	List of Topics	Contact Hours
1	Using Data Flow Diagrams	6
2	Process Specifications and Structured Decisions	6
3	Object-Oriented Systems Analysis and Design Using UML	9
4	Designing Effective Output & Input	6
5	Designing Accurate Data Entry Procedures	9
6	Quality Assurance and Implementation	9
Total		45

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	Knowledge and Understanding		
1.1	Describe Object Oriented Systems Analysis and Design Concepts.	<ul style="list-style-type: none"> • Lectures • Case Study Analysis 	<ul style="list-style-type: none"> • Case Study Discussions • Assignments • Mid & Final Exams
1.2	Recognize the difference between structured and semi structured decisions.	<ul style="list-style-type: none"> • Lectures • Case Study Analysis 	<ul style="list-style-type: none"> • Case Study Discussions • Assignments • Mid & Final Exams
1.3	Articulate the importance of total quality in improving system design	<ul style="list-style-type: none"> • Lectures • Presentations 	<ul style="list-style-type: none"> • Assignments • Mid & Final Exams
2.0	Skills		
2.1	Create logical and physical diagrams that illustrate the proposed system	<ul style="list-style-type: none"> • Practical Exercises • Group 	<ul style="list-style-type: none"> • Quizzes • Class Participation

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
		Discussions	<ul style="list-style-type: none"> Mid & Final Exams
2.3	Design effective and efficient data capture approaches	<ul style="list-style-type: none"> Practical Exercises Group Discussions 	<ul style="list-style-type: none"> Quizzes Class Participation Mid & Final Exams
3.0	Values		
3.1	Demonstrate effectiveness in working in a group	<ul style="list-style-type: none"> Lectures Group Work Group Discussions 	<ul style="list-style-type: none"> Observation Class Participation
3.3	Develop time management skills	<ul style="list-style-type: none"> Lectures Group Work Group Discussions 	<ul style="list-style-type: none"> Attendance On-time Submissions

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Quizzes	1-14	10 %
2	Presentations	1-14	5 %
3	Assignments & Discussions	1-14	5 %
4	Mid Term Examination	8/9	30 %
5	Final Examination	15/16	50 %

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :

- Faculty is available for student consultation and academic advice on weekdays during office hours (9 hours a week).
- Students can seek advice and consultation from teaching staff through electronic means (email and Rafid LMS).
- For any additional assistance, an appointment can be arranged between the student and teaching staff.

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	Kendall, K. E. and Kendall, J. E. (2014). Systems Analysis and Design, Global Edition. 9th ed. Pearson Education Limited, p.552. ISBN-13: 9780273787105 ISBN-10: 0273787101 URL: http://catalogue.pearsoned.co.uk/educator/product/Systems-Analysis-
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	and-Design-GlobalEdition-9E/9780273787105.page
Essential References Materials	(Journals, Reports, etc.)
Electronic Materials	Web Sites, Facebook, Twitter, etc.
Other Learning Materials	such as computer-based programs/CD, professional standards or regulations and software. <ul style="list-style-type: none"> • Access to business and information systems top journals is essential to provide students with real world business case studies in the field • Microsoft Office 365 Web browser

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	A designated computer lab is required to teach the course. The lab should accommodate 25-30 students
Technology Resources (AV, data show, Smart Board, software, etc.)	<ul style="list-style-type: none"> • Up-to-date Projector • Up-to-date Smart Board • High Speed Internet Connection • Solid up-to-date computers (Windows)
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Lab must be fitted with a wall whiteboard (not portable)

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Strategies for Obtaining Student Feedback on Effectiveness of Teaching <ul style="list-style-type: none"> • Course Evaluation Surveys • Students-Faculty Meetings • Students Assessment of Faculty Members Survey 	Students	Direct
Other Strategies for Evaluation of Teaching by the Instructor or by the Department Direct, Indirect <ul style="list-style-type: none"> • Discussions between staff members teaching the course • Internal review of the course at a departmental level • External reviewers 	Faculty	Direct
Processes for Improvement of Teaching <ul style="list-style-type: none"> • Course evaluation reports • Student assessment of faculty reports • Faculty's on-going training through 	Faculty	Direct

Evaluation Areas/Issues	Evaluators	Evaluation Methods
self/department/faculty and/or University initiated workshops and development programs		
Processes for Verifying Standards of Student Achievement <ul style="list-style-type: none"> Marking of assignments and exam submissions are revised by independent teaching staff from within the department and/or other departments within the college 	Students	Indirect
Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement. <ul style="list-style-type: none"> A course report is developed and reviewed periodically at the end of the semester. The report includes exam results, assignments results and surveys feedback from students, which will reflect course and teaching effectiveness. In addition, an internal review at the end of the semester, conducted by teaching staff will help generate ideas and plans for the development of the course, teaching strategies and learning outcomes. This is further reinforced through ongoing review of developments in the field conducted by the course instructor in addition to training and workshops provided to the course instructor. 	Program Leaders	Direct

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	Minutes of the Council of Management Information Systems Department
Reference No.	3
Date	8.12.2021