



Course Specifications

Course Title:	Database Management Systems 1
Course Code:	MIS10504
Program:	Management Information Systems
Department:	Management Information Systems
College:	Business Administration
Institution:	Albaha University

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A. Course Identification

1. Credit hours: 3Hrs
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: Level 5/Year 3
4. Pre-requisites for this course (if any):
5. Co-requisites for this course (if any):

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 and foundations of Database Management Systems to familiarize them with the basic concepts underlying these systems and give them some hands-on experience in using Structural Query Language (SQL) for developing Database Management Systems.

2. Course Main Objective

Develop student's knowledge and skills in designing and implementing working database systems using one of the popular commercial DBMSs.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge and Understanding	
1.1	Explain fundamental concepts underlying Database Management Systems.	K1
1.2	Model databases at a conceptual and logical levels.	K3
2	Skills :	
2.1	Manipulate data using SQL.	S1
2.2	Construct Entity Relations diagrams.	S2
2.3	Demonstrate effectiveness in working in a group	S.5
3	Values:	
3.1	Develop time management skills	V1
3.2	Develop research and Web search skills	V2

C. Course Content

No	List of Topics	Contact Hours
1	Introduction to Database System Concept	9
2	Introduction to the Relational Model	9
3	Introduction to SQL	9
4	Intermediate SQL	9
5	Storage and File Structure	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	Explain fundamental concepts underlying Database Management Systems.	Lectures	Assignments Mid & Final Exams
1.2	Model databases at a conceptual and logical levels.	Lectures & Practical Exercises	Assignments Quizzes Practical Tests Mid & Final Exams
...			
2.0	Skills		
2.1	Manipulate data using SQL.	Lab exercises & Group Work	Quizzes Practical Tests Mid & Final Exams
2.2	Construct Entity Relations diagrams.	Practical exercises & Group Work	Assignments Practical Tests Mid & Final Exams
2.3	Demonstrate effectiveness in working in a group	Group Work & Group Discussions	Observation Class Participation Group Assignments

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
3.0	Values		
3.2	Develop time management skills	Promote research & Use of Rafid LMS	Rafid Participation Online Assignments and/or quizzes
3.3	Develop research and Web search skills	Promote research & Use of Rafid LMS	Rafid Participation Online Assignments and/or quizzes

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Quizzes 1&2	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	Abraham Silberschatz, Henry Korth and S. Sudarshan (2010) Database System Concepts, Sixth Edition, (ISBN: 978-0073523323).
Essential References Materials	
Electronic Materials	
Other Learning Materials	<ul style="list-style-type: none"> • Microsoft Access • Microsoft SQL • MySQL • PostgreSQL • Oracle

	<ul style="list-style-type: none"> • SQL Server • SQLite
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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 20 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
Effectiveness of Teaching	Students	Indirect
Evaluation of Teaching	staff members teaching the course	Direct
Verifying Standards of Student Achievement	independent teaching staff from within the department and/or other departments within the college	Indirect
effectiveness and planning for improvement.	staff members teaching the course	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.	2
Date	25.10.2021