



KINGDOM OF SAUDI ARABIA
 IMAM MOHAMMAD IBN SAUD ISLAMIC UNIVERSITY
 COLLEGE OF COMPUTER AND INFORMATION SCIENCES
 INFORMATION SYSTEMS DEPARTMENT
 BACHELOR IN INFORMATION SYSTEMS

المملكة العربية السعودية
 جامعة الإمام محمد بن سعود الإسلامية
 كلية علوم الحاسب والمعلومات
 قسم نظم المعلومات
 بكالوريوس نظم المعلومات

SYLLABUS

IS1355: Database Management (Question: DB admin or Management)

CREDIT HOURS	3 credit hours (Lectures: 3)	PREREQUISITE	IS1240
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Instructor:
Contact information and office hours
Office No: To be announced (TBA)
Office Hours: TBA
E-mail: _____@imamu.edu.sa

COURSE DESCRIPTION
The aim of this course is to introduce students to the processes, methods, techniques and tool that organizations use for Database Management.

COURSE LEARNING OUTCOMES (CLOs)		Aligned SOs
1	Knowledge and Understanding	
1.1	Describe the main concepts of Database Management	1(I)
1.2	Recognize the fundamental definitions and terminology of Database Management	1(P)
1.3		
1.4		
1.5		
2	Skills :	
2.1	Apply the tools and techniques of Database Management	2(P)
2.2		
2.3		
2.4		
2.5		



3	Values:	
3.1	Function effectively on teams to accomplish a common goal.	5(P)
3.2	Present a topic in a compelling manner.	3(P)
3.3		
3.4		
3.5		

TEACHING Strategies
Lectures Self-Learning

No	List of Topics	Contact Hours	Self-Learning
1	Introduction to Database Management	3	
2	Fundamental Concepts of Database Management	3	
3	Architecture of DBMS	3	2
4	Categorization of DBMS	3	
5	Conceptual data Modeling using ER Model	6	
6	UML Class and other diagrams	6	
7	Organizational aspects of Data Management	3	2
8	Recent trends in databases	3	2
9	Managerial issues of databases	3	
10	Project Discussions	3	
11			
12			
Total		36	6

TEXT BOOK
Principles of Database Management: The Practical Guide to Storing, Managing and Analyzing Big and Small Data; 1st edition; 2018; Wilfried Lemahieu, Seppe vanden Broucke Bart Baesens

REFERENCES

Course Assessment Methods			
No	Assessment Method	Due Week	% of Total Assessment



1	Quiz	4	10
2	Assignment	9	10
3	Midterm	7	20
4	Project / Lab Exam	11	20
5	Final Exam	13	40