ATTACHMENT 2 (e)

Course Specifications

Kingdom of Saudi Arabia

The National Commission for Academic Accreditation & Assessment

Course Specifications
(CS)

Course Specifications

Institution: ***Najran University***	Date of Report : 25 / 5 /2014
College/Department: ***Najran Community College/Computer Department***	

A. Course Identification and General Information

1. Course title and code: ***Introduction to database***	**112 CIS - 3**
2. Credit hours	***(2 + 1) 3***
3. Program(s) in which the course is offered. (If general elective available in many programs indicate this rather than list programs)	***Introduction to computer science***
4. Name of faculty member responsible for the course	***Mamoun M. A. AL-Azzam***
5. Level/year at which this course is offered	***Level 2***
6. Pre-requisites for this course (if any)	
7. Co-requisites for this course (if any)	
8. Location if not on main campus	

9. Mode of Instruction (mark all that apply)√

a. Traditional classroom	√	What percentage?	100
b. Blended (traditional and online)		What percentage?	
c. e-learning		What percentage?	
d. Correspondence		What percentage?	
f. Other		What percentage?	

Comments:

B Objectives

1. What is the main purpose for this course? ***This course gives an overview of DB architectures including the relational , hierarchical , network and object model . DB including interface DB design using the Entity Relational Model .***
2. Briefly describe any plans for developing and improving the course that are being implemented. (e.g. increased use of IT or web based reference material, changes in content as a result of new research in the field) Using internet to view new topic about DBMS

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

1. Topics to be Covered

List of Topics	No. of Weeks	Contact Hours
Introduction to Database Environment **Lab**: X	1	2
Database Approach . Database Management System (DBMS) **Lab:** Introduction of Database developments	1 1	2 2
Roles in Database Environments **Lab**: Creating Access Tables. Creating new tables , changing a table design , setting the primary key and manipulating tables.	2 3	4 6
Database Environments Lab: Table Relationship , Integrity Rules and keys	2 1	4 2
First Monthly Test **Lab**: Selecting Data with Quires. Creating Query , Changing the Sort Order and Adding Fields	1 2	1 4
Functions of DBMS **Lab**: Creating Basic Access Forms	1 2	2 4
Components of DBMS **Lab:** Working with Data on Access Forms	1 1	2 2
Relational Model **Lab :** Revision	3 1	6 2
Second Monthly Test **Lab:** Revision	1 1	1 2
Query-By-Example **Lab:** Presenting Data with Access Reports	3 2	6 6
Final Exam		

2. Course components (total contact hours and credits per semester):						
	Lecture	Tutorial	Laboratory	Practical	Other:	Total
Contact Hours	28	-	-	26	-	54
Credit	2	-	-	1	-	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 Methods
1.0	**Knowledge**		
1.1	Define all the basic concepts of DBMS	Lecture	Exams
1.2	Describe the component of DBMS	Whole group and small group discussion	Assignment
1.3	Outline of Oracle software.		
2.0	**Cognitive Skills**		
2.1	Develop the skills of designing relational DB system	Lecture	Exams
2.2	Explain the skills of implementation relational DB using Query – By – Example like Microsoft Access.	• Small group work • Project	Lab reports
3.0	**Interpersonal Skills & Responsibility**		
3.1	Accomplish work in a team to do oracle project.		Group presentation
4.0	**Communication, Information Technology, Numerical**		
4.1	Use oral and written communication effectively.		Group report
5.0	**Psychomotor**		
5.1	N/A		

5. Schedule of Assessment Tasks for Students During the Semester

	Assessment task (e.g. essay, test, group project, examination, speech, oral presentation, etc.)	Week Due	Proportion of Total Assessment
1	Assignment	4, 7, 11	3%
2	Group report	11	7%
3	Lab report	5,8,12	5%
4	First Monthly Exam	8	15%
	Second Monthly exam	11	15%
5	Practical exam	14	15%
6	Final exam	15	40%

D. Student Academic Counseling and Support

1. Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice. (include amount of time teaching staff are expected to be available each week)

5 Office Hours

E. Learning Resources

1. List Required Textbooks

mas M. Connolly • Carolyn E. Begg, **Database Systems A Practical Approach to Design, lementation, and Management**, 5th Edition, Pearson Education Limited, 2009, ISBN 0 321 21025

2. List Essential References Materials (Journals, Reports, etc.)

3. List Recommended Textbooks and Reference Material (Journals, Reports, etc)

Abraham Silberschatz, Henry Korth, Database System Concepts 6th Edition, McGraw-Hill (2011), ISBN 978-0-07-352332-3

4. List Electronic Materials (eg. Web Sites, Social Media, Blackboard, etc.)

http://lms.nu.edu.sa/webapps/portal/frameset.jsp

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.) **One class room with 30 seats .** **One Lab with 30 PC.**

2. Computing resources (AV, data show, Smart Board, software, etc.)
• **data show** • **software's (MS-office 2010, Windows 7)**
3. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements or attach list)

G Course Evaluation and Improvement Processes

1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching
Student Evaluation Questioners
2 Other Strategies for Evaluation of Teaching by the Program/Department Instructor
Brainstorming
3 Processes for Improvement of Teaching
Quality workshops in Deanship of Development and Quality

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) Crosscheck of exam marks by committee

Faculty or Teaching Staff: Mamoun M. A. AL-Azzam
Signature: _____ Date Report Completed: _____

Received by: _____ Dean/Department Head

Signature: _____ Date: _____