

DATABASE SYSTEMS COURSE SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the program specification.

1. Teaching Institution	University of Baghdad/ college of Science for Women
2. University Department/Centre	Computer Science department
3. Course title/code	Database Systems/ CD 206
4. Program(s) to which it contributes	
5. Modes of Attendance offered	Class and Lab attendance is required
6. Semester/Year	2 nd year/ 1 st Semester

7. Number of hours tuition (total)	90 hour (30 theoretical + 60 practical)
8. Date of production/revision of this specification	3/4/2016
9. Aims of the Course	
<ul style="list-style-type: none"> • Knowing the Database systems theoretically • Focusing on relational database by studying its benefits and the basics that have been used and its programming way using Structured Query Language (SQL) • Preparing the students to build database system using Microsoft Access, which is used and applied by the students in the lab. 	

10- Learning Outcomes, Teaching ,Learning and Assessment Method

S- Knowledge and Understanding

- A1. Identifying the advantages of database system
- A2. Identifying the database management.
- A3. Identifying the database architectures.
- A4. Identifying the relational database.
- A5. Identifying the Structured Query Language (SQL)

B. Subject-specific skills

- B1. The ability to deal with relational databases systems
- B2. The ability to manage databases
- B3.The ability to build database system using Microsoft Access.
- B4. Programming database using Structured Query Language (SQL) principles.

C. Thinking Skills

- C1. Depending the discussion in presenting a subject and listen to different opinions to solve the problems.
- C2. Making the student acting in building the programs in the laboratory without confining this a specific template

Teaching and Learning Methods

- Providing a printed chapters of the required book (in English) for all the students before the start of the semester.
- Provide binding printed (in English) for all students contain steps to deal with Microsoft Access with practical examples that are used in the laboratory.
- Explain the subject in Arabic and answer students' questions.
- Each student in the laboratory creates tables for the database system and connect them together and create the required forms and reports.

Assessment methods

- Written exams
- Practical exams (Laboratory)
- Prepare a computer software (Project)

D. General and Transferable Skills (other skills relevant to employability and personal development)

D1. Focusing on building the mentality that depends on the analysis and conclusion in solving problems.

11. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1-2	8	Learning the basics of Database Management	An Overview of Database Management	As mentioned in 10	As mentioned in 10
3-5	12	Learning Database System Architecture	Database System Architecture		
6-10	20	Learning Relational Database	Relational Database		
12-16	20	Learning the basics of Structured Query Language (SQL)	Structured Query Language (SQL)		

12. Infrastructure

Required reading: <ul style="list-style-type: none"> · CORE TEXTS · COURSE MATERIALS · OTHER 	BOOK: An Introduction to Database Systems by C. J. Date, 8th Edition, Pearson Addison Wesley, 2004. APPLICATION : Microsoft Access
Special requirements (include for example workshops, periodicals, IT software, websites)	

Community-based facilities (include for example, guest Lectures , internship , field studies)	
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13. Admissions	
Pre-requisites	No
Minimum number of students	10 students
Maximum number of students	30 students