INFORMATION SYSTEMS ANALYSIS 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	Information Systems Analysis/ CSA 212
4. Program(s) to which it contributes	
5. Modes of Attendance offered	Class and Lab attendance is required
6. Semester/Year	2nd year/ 2nd Semester

7. Number of hours tuition (total)	60 hour (30 theoretical + 30 practical)
8. Date of production/revision of this specification	13/4/2016
9. Aims of the Course	
• Identifying the information system and the related technologies in the structured analysis processes and find the best solution for designing the systems to meet the needs of beneficiary to pave automation them by one of the database management systems.	

10· Learning Outcomes, Teaching ,Learning and Assessment Method

Y- Knowledge and Understanding

A1. Identify the concepts of information systems.

A2. Identify the linear life cycle of the system

A3. Identify the methods of collecting information

A4. Identify the building

A5. Identify the operations description methods

B. Subject-specific skills

B1. The ability to analyze existing systems and new systems.

B2. The ability to identify problems and propose alternatives to overcome these problems.

B3. The ability to display the analysis in a scientific readable manner by the database programmer.

B4. The ability to describe the system processes in ways that is not subject to ambiguities in interpretation.

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 from a number of books (in English) for all the students before the start of the semester.
- Explain the subject in Arabic and answer students' questions.
- Each student in the laboratory creates an integrated database system that addresses a problem that was studied and analyzed according to what has been studied.

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.Foucsing 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	4	Learning Fundamental Concepts of Information Systems	Fundamental Concepts of Information Systems	As mentioned in 10	As mentioned in 10
2-3	8	Learning system Life Cycle	Linear Life Cycle		
4	4	Learning Gathering Information methods	Gathering Information		
5	4	Learning how to deal with a project	Starting a Project		
6	4	Learning Data Flow Diagrams	Data Flow Diagrams		
7	4	Learning Structure Charts	Structure Charts		
8	4	Learning Describing Data Methods	Describing Data		
9	4	Learning Normalization	Normalization		
10	4	Learning Process Description	Process Description		
11	4	Learning	Documentation		

		Documentation Methods			
12	4	Learning Designing the New System	Designing the New System		
13	4	Learning Detailed System Design	Detailed System Design		
14	4	Learning how to convert the analysis to the database system	Database Design		
15	4	Learning Program Design	Program Design		

12. Infrastructure	
Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	**BOOK:** · . Systems Analysis and Design, by K.E.Kendall and J.E.Kendall, Pearson Education (Asia) India reprint 2003 · Management Information Systems, by K.E.Laudon and J.P.Laudon, Pearson Education Asia, Indian Reprint 2004. · Information Systems Today by L.Jessup and J.Valacich. · K.C.Laudon and J.P.Laudon, Management Information Systems, Pearson

	· Education Asia, New Delhi, 2004. Hoffer, J.A., George, J.F. and Valacich J.S., “Modern Systems **APPLICATION :** Microsoft Access
Special requirements (include for example workshops, periodicals, IT software, websites)	
Community-based facilities (include for example, guest Lectures , internship , field studies)	

13. Admissions	
Pre-requisites	Database
Minimum number of students	10 students
Maximum number of students	30 students