TEMPLATE FOR 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 programme specification.

1. Teaching Institution	College of CS & IT – University of Anbar	
2. University Department/Centre	Information Systems	
3. Course title/code	Analysis and Design of Information System	
4. Programme(s) to which it contributes		
5. Modes of Attendance offered		
6. Semester/Year	1 nd / 2022-2023	
7. Number of hours tuition (total)	50	
8. Date of production/revision of this	15/10/2022	
specification		
9. Aims of the Course		
• To make students familiar with the basic concepts of Analysis and Design of information system .		
• To explain the basic applications of Analysis and Design of information system.		
 To explore the principles and practice of Design of information system models. 		
• To highlight the technical and social issues of Design of information system.		

10. Learning Outcomes, Teaching ,Learning and Assessment Methods

A1. Describe the basic concepts of Analysis and Design of Information System.

A2. Have good understanding of available strategies and technologies for Analysis of Information System.

A3. Describe the social and ethical issues relating to Design Model.

A4. Describe the social and ethical issues relating to design of Information System.

B. Subject-specific skills

B1. Applying and use of the Analysis of Information System appoach.

B2. Demonstrate skills in using some Design applications.

B3. Demonstrate skills in applying

Teaching and Learning Methods

- Assignments of various chapters should be performed individually by students.
- Home works will be distributed during the course. Unless otherwise is stated, all home works should be performed individually by students.
- Quizzes and exams.
- Referring to some related websites.

Assessment methods

- Classroom participation.
- Projects activity.
- Exam performance.

C. Thinking Skills

C1. Marinating the scientific honesty.

C2. Achieving academic rigorousness.

C3. Personal integrity and work ethics.

C4.

Teaching and Learning Methods

- Programming projects will be assigned to students. Usually these can be done based on student groups to be formed during the course.
- Relating the course material to practical society needs.
- Offering bonus to student achievements.

Assessment methods

- Doing the required tasks within the specified deadlines.
- Following the course discipline and academic integrity.
- Evaluating the student response in various exams.

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

D1. Development of the skills of using the Internet and intranets efficiently.

D2. Development of the skills of using multimedia and cellular technology securely.

D3. Development of the skills of academic debate and critical thinking. D4.

11. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1 st	2	Familiar ity with basic concepts	Introduction to Information Systems Development	Theoretical	Assignment and discussion
2 nd	2	Key issues	System Analyst	Theoretical	Quiz
3 rd	2	analysis environ ment	System Analysis & Design	Theoretical	Group work
4 th	2	Dealing with modern tech.	Categories of Information System	Theoretical	Assignment and discussion
5 th	2	Dealing with modern tech.	System Development Strategies	Theoretical	Assignment and discussion
6 th	2	Analysis Characte ristic	Implementation	Theoretical	Assignment and discussion
7 th	2	Dealing with modern tech.	Evaluation and Maintenance	Theoretical	Group work

8 th	2	Key issues	Analysis To Design transition	Theoretical	Quiz
9 th	2	The strategic process	Design of Computer output	Theoretical	Group work
10 th	2	The strategic process	Design of Online dialogues & its interface, design of files & Use of Auxiliary storage devices	Theoretical	Assignment and discussion
11 th	2	The strategic process	Transaction Processing System (TPS)	Theoretical	Quiz
12 th	2	The strategic process	System Development Strategies	Theoretical	Assignment and discussion
13 th	2	The strategic process	Unified Methodology Approach	Theoretical	Assignment and discussion
14 th	2	Key issues	Technique Approach	Theoretical	Quiz
15 th	2	Dealing with modern tech.	Implementation	Theoretical	Group work

12. Infrastructure	
Required reading: • CORE TEXTS • COURSE MATERIALS • OTHER	 <u>Analysis and Design of Information Systems </u> <u>SpringerLink</u>,(USA) ISBN: 978-1-84628-654- 4.2001 <i>Analysis and Design of Information Systems</i> <i>November 2007</i>, Author: <u>Arthur M. Langer</u>, ISBN: 978-1-84628-654-4 Published: 30 November 2007
Special requirements (include for example workshops, periodicals, IT software, websites)	 <u>https://books.google.iq/books/about/Analysis_and_Design_of_Information_Syste.html?id=ZbRL-Q95jOcC&redir_esc=y</u> <u>https://www.pdfdrive.com/analysis-and-design-of-information-systems-e33717836.html</u> <u>https://dl.acm.org/doi/book/10.5555/1349713</u>

Community-based facilities (include for example, guest Lectures , internship , field studies)	
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13. Admissions		
Pre-requisites	None	
Minimum number of students	10	
Maximum number of students	66	