



Department of Computer Science

College of Science

University of Cihan Sulaymaniya

Subject: System Analysis

Course Book – Third Stage / 2nd semester

Lecturer's name : Wafaa Mustafa Hameed

Academic Year: 2023/2024

Course Book

1. Course name	System Analysis
2. Lecturer in charge	Wafaa Mustafa Hameed
3. Department/ College	Computer Science
4. Contact	e-mail: Tel:
5. Time (in hours) per week	Theory: 2 Practical: 0
6. Office hours	
7. Course code	CSC23100
8. Teacher's academic profile	
9. Keywords	
10. Course overview: System analysis and design deal with planning the development of information systems through understanding and specifying in detail what a system should do and how the components of the system should be implemented and work together. System analysts solve business problems through analyzing the requirements of information systems and designing such systems by applying analysis and design techniques. This course deals with the concepts, skills, methodologies, techniques, tools, and perspectives essential for systems analysts.	
11. Course objective: The course is designed to introduce students to the fundamental concepts of Information Systems Analysis and Design. The course focus is on the study of Analysis and Design phases of the system development life cycle. This course aims at providing students with an awareness of the alternative methods for systems development, giving students a deep understanding of the tools and techniques used in systems Analysis and Design, and also Provides them with the concepts and skills needed to properly analyze and design information systems.	
12. Student's obligation - Attendance, - Quizzes, - Exams, - reports	

13. Forms of teaching

- Data show
- White board

14. Assessment scheme

The 100 marks will be divided into :-

Midterm theoretical exam	30 marks
Quizzes, activities	10 marks
Final theoretical exam	60 marks

15. Student learning outcome:

After successfully completing this course, students will have gained comprehensive theoretical knowledge as well as practical skills related to the system development process of information systems. Students who successfully complete the course should be able to

- Gather data to analyze and specify the requirements of a system.
- Design system components and environments.
- Build general and detailed models that assist programmers in implementing a system.
- Design a database for storing data and a user interface for data input and output, as well as controls to protect the system and its data.

16. Course Reading List and References:

1. Introduction to Systems Analysis and Design Alan Dennis, Barbara Wixom, and David Tegarden John Wiley & Sons, Inc
2. Systems Analysis & Design in a Changing World: Satzinger, Jackson, Burd, 5th ed., THOMSON Course Technology, 2009.
3. Modern system analysis and design, 5th edition, F.Hefferand Volach. Prentice Hall 2004
4. Essential of system analysis and design 3rd edition ,volach., Prentice HALL 2004

17. The Topics:	week
- Introduction - interview	1
- Joint application design (jad) sessions	2
- Questionnaires	3
- Document analysis - observation	4
- system development life cycle	5
-System development methodologies	6
- Project Team Roles and Skills	7
- Preparing the Systems Proposal	8
-Designing Effective input and out Output interface	9
- Implementing the System	10
- Conversion	11
-Project Management	12
-Use-case descriptions	13
-Creating use-case descriptions and use-case diagrams	14

REVIEW	
18. Practical Topics (If there is any)	
There is no practical lectures	
19. Peer review	
Asst.Prof.Loway Faisal Abdulrazak	