Faculty of Computers & Information Technology

Systems Analysis & Design-1

Information :

Course Code :	ISY 321	**Level** :	Undergraduate	**Course Hours :**	3.00- Hours

Department : Department of Information Systems

Instructor Information :

Title	Name	Office hours
Associate Professor	AMIRA MOHAMMED IBRAHIM IDREES	2
Lecturer	Fahad Kamal Eldin Thabit Abdel Wahed Al Sharif	
Assistant Lecturer	Mohamed Attia Mohamed	
Teaching Assistant	Maha Farghaly Ali Ahmed	1

Area Of Study :

This course provides foundations for systems development such as systems development in an organization context, the source of software and managing the information systems project. The upper faces of information systems development life cycle (SDLC) which are the following: Planning phase of SDLC such as identifying and selecting systems development projects and initiating and planning systems development projects. Analysis phase including determining system requirements and analysing system processes requirements. Also the conceptual design phase including techniques, activities, tasks, and deliverables. The practical experiences related to the execution of these phases will be covered in the course

Description :

The aim of this course is to cover the topics related to the upper phases of the information systems development life cycle, which are the following: Planning of IS, The detailed analysis of IS, and the conceptual design of IS. He theologies, Techniques, activities, Tasks, deliverables. And practical experiences related to the execution of these phases will be covered in the course

Course outcomes :

a.Knowledge and Understanding: :

1 -	Define information systems analysis and design, describe the information SDLC, explain rapid application (RAD), computer aided software engineering (CASE) tools, and describe Agile Methodologies and extreme programming

b.Intellectual Skills: :

1 -	Explain outsourcing of software, describe six different sources of software, discuss how to evaluate off-shelf software and explain reuse
2 -	Explain the process of managing an information system project
3 -	Identifying, selecting, initiating and planning systems development project

c.Professional and Practical Skills: :

1 -	1. Determining system requirements, analyzing system process requirements, and analyzing system data requirements

d.General and Transferable Skills: :

1 -	Display effective time management
2 -	Work in a Team
3 -	Acquire effective communication, cooperation and coordination skills that influence others
4 -	Choose and formulate suitable strategies to accomplish well-defined goals
5 -	Design and develop the electronic site to solve work problems and complete customer chain management and supply chain management

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
System development in an organizational context	6	4	4
The sources of software	3	2	2
Managing the information system project	6	4	4
Identifying and selecting system development project	3	2	2
Initiating and planning systems development project	6	4	4
Determining system requirements	3	2	2
Analyzing system process requirements	6	4	4
Analyzing system data requirements	3	2	2

Teaching And Learning Methodologies :

Lectures
Practical training
Exercises
Open Discussion
Self Studies

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Attendance& Participation	10.00	3	
Final Exam	40.00	15	
Mid Term Exam I	10.00	6	
Mid Term Exam II	10.00	12	
Project	20.00	14	
Quizes	10.00	3	

Books :

Book	Author	Publisher
Modern Systems Analysis and Design	Jeffrey A. Hoffer	Pearson

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