Faculty of Commerce & Business Administration

Introduction to Systems Analysis and Design

Information :

Course Code :	BIT 372	**Level**	:	Undergraduate	**Course Hours :**	3.00- Hours

Department : Department of Business Information Technology

Instructor Information :

Title	Name	Office hours
Lecturer	AMIRA SAYED ABDELAZIZ ALI	1
Teaching Assistant	Mira Tamer Mohamed Helmy Shaker	

Area Of Study :

Understand the process of analysis, design, and implementation of information systems. Learn methods, techniques and related issues of systems analysis and design. Gain some hands-on experience in systems analysis and design.

Description :

Understand the process of analysis, design, and implementation of information systems, learn methods, techniques, and related issues of systems analysis and design, gain some hands-on experience in systems analysis and design.

Course outcomes :

a.Knowledge and Understanding: :

1 -	Be aware of the concepts and techniques of information systems analysis and design, including techniques for managing systems development project.
2 -	Be aware of different software process models and mastering different structured analysis and design techniques and Object Oriented UML methods for systems analysis and design.

b.Intellectual Skills: :

1 -	Apply their knowledge to choose rationally between different techniques of information systems analysis and design.
2 -	Apply logical thinking to solve problems related to the analysis and design and implementation of different types of information systems with different environments and user requirements.

c.Professional and Practical Skills: :

1 -	Analyze and design different types of information systems
2 -	Acquire skills to solve design problems in different information systems environments.
3 -	Learn how to use the structured and object oriented information systems analysis and design techniques and tools.

d.General and Transferable Skills: :

1 -	Assess problems.
2 -	Interact efficiently with others.

http://www.fue.edu.eg

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Systems, Roles, and Development Methodologies Part	4	3	1
Project Management & Feasibility Study	4	3	1
Information Gathering: Interactive Methods	4	3	1
Agile Modeling and Prototyping	4	3	1
1st Midterm Exam	4	3	1
Data Definition Language (DLL) in SQL	4	3	1
Using Data Flow Diagrams	4	3	1
Analyzing Systems using Data Dictionaries	4	3	1
Describing Process Specifications and Structured Decisions	4	3	1
2nd Midterm Exam	4	3	1
Data Control Language (DCL) in SQL	4	3	1
Designing User Interfaces	4	3	1
Designing Databases	4	3	1
Object –Oriented Systems Analysis and Design Using UML	4	3	1

Teaching And Learning Methodologies :

Data show and computer in lectures.
Demonstration videos.
Group discussion
Self-learning
Practical.

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
1st Mid-Term Exam	20.00	6	
2nd Mid-Term Exam	20.00	11	
Final Exam	40.00	16	
Semester Work	20.00	13	

Books :

Book	Author	Publisher
Systems Analysis and Design	Kenneth E. Kendall	Pearson

Course Notes :

Handouts.

Periodicals :

a. "Model Systems and SSADM". Model Systems Ltd. 2002. Retrieved 2009-04-02.
b. SSADM foundation. Business Systems Development with SSADM. The Stationery Office. 2000. p. v. ISBN 0-11-330870-1.