



**Jordan University of Science and Technology**  
**Faculty of Computer & Information Technology**  
**Computer Information Systems Department**

CIS332 Systems Analysis And Design

Summer Semester 2019-2020

**Course Catalog**

3 Credit Hours. An introduction to the system development life cycle. Emphasis on strategies and techniques of systems planning, analysis and design, documentation, implementation and evaluation. Students are expected to carry out group projects using the system development life cycle.

**Text Book**

<b>Title</b>	Modern System Analysis and Design
<b>Author(s)</b>	Jeffrey Hoffer, Joey George, and Joseph Valacich
<b>Edition</b>	7th Edition
<b>Short Name</b>	Textbook
<b>Other Information</b>	

**Course References**

Short name	Book name	Author(s)	Edition	Other Information
References	Essentials of System Analysis and design. 5th ed.	Joseph A. Valacich , Joey George, and Jeffrey Hoffer	5th Edition	

**Instructor**

Name	<b>Dr. Amal Zoubi</b>
Office Location	A2L-3
Office Hours	
Email	aazoubi9@just.edu.jo

**Class Schedule & Room**

Section 1:

Lecture Time: Sun, Mon, Tue, Wed : 10:00 - 11:30

Room: منصة الكترونية

**Prerequisites**

Line Number	Course Name	Prerequisite Type
1743510	ClS351 Management Information Systems	Prerequisite / Study

**Tentative List of Topics Covered**

Weeks	Topic	References
Week 1	Course Introduction, Introduction to System Analysis, and the system development environment.	<b>CH1</b> From <b>Textbook</b>
Weeks 2, 3	Determine system requirements, Using Prototyping, and Contemporary approaches to requirements determination.	<b>CH5, CH6</b> From <b>Textbook</b>
Weeks 4, 5, 6, 7	Structuring system requirements: process modeling, and Structuring system requirements: logic modeling	<b>CH7, CH8</b> From <b>Textbook</b>
Weeks 8, 9, 10	Designing database, and Designing Forms and reports	<b>CH9, CH10</b> From <b>Textbook</b>
Weeks 11, 12	Designing Interfaces and Dialogues, and Designing graphical user interfaces	<b>CH11</b> From <b>Textbook</b>
Weeks 13, 14	System Implementation	<b>CH13</b> From <b>Textbook</b>

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Be able to know basic terms associated with system and system analysis, such as, System Development Life Cycle (SDLC) and system thinking. [1SO1, 1SO2]	20%	
Understand the process of initiating and planning a new project. [1SO1]	20%	
Understand the process of determining system requirements. [1SO1]	15%	
Understand the process of structuring system requirements using Data Flow Diagram and Entity Relationship Diagram [1SO1]	20%	
Understand the design of Databases, forms, reports, and interface of software system. [1SO2, 1SO3]	15%	
Be able to explain the importance of the implementation phase in the system development life cycle [1SO2]	10%	

Relationship to Program Student Outcomes (Out of 100%)																
A	B	C	D	E	F	G	H	I	J	K	SO1	SO2	SO3	SO4	SO5	SO6
											65	27.50	7.50			

Evaluation	
Assessment Tool	Weight
First Exam	25%
Second Exam	10%
Project	15%
Final Exam	50%

Date Printed: 2020-09-24