

## Faculty of Computers and Information Technology

### Enterprise Resource Planning

#### Information :

**Course Code :** IS470

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Department of Information Systems

#### Area Of Study :

Enterprises that seek to become proficient in advanced manufacturing must incorporate manufacturing management tools and integrate data throughout the supply chain to be successful. This course will provide students' awareness of what a digitally connected enterprise is, as they learn about the operational complexity of enterprises, business process optimization, and the concept of an integrated product-process-value chain. Students will become acquainted with the available tools, technologies, and techniques for aggregation and integration of data throughout the manufacturing supply chain and the entire product life cycle. They will receive foundational knowledge to assist in efforts to facilitate the design, planning, and production scheduling of goods and services by applying product life cycle data.

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#### Course outcomes :

##### **a. Knowledge and Understanding: :**

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|-----|--|
| 1 - | Demonstrate a good understanding of basic issues in Enterprise Systems |
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##### **b. Intellectual Skills: :**

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|-----|---|
| 1 - | Explain the scope of common Enterprise Systems (e.g., MM, SCM, CRM, HRM, procurement).                    |
| 2 - | Explain the challenges associated with implementing enterprise systems and their impacts on organizations |
| 3 - | Describe the selection, acquisition, and implementation of enterprise systems                             |

##### **c. Professional and Practical Skills: :**

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|-----|---|
| 1 - | Use a leading Enterprise Systems package (SAP) to support business operations and decision-making                     |
| 2 - | Assess an organization's readiness for enterprise system implementation with a professional approach in written form. |

##### **d. General and Transferable Skills: :**

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| 1 - | Communicate an organization's readiness for enterprise system implementation with a professional approach in written form. |
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### **Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
1. Introduction to Enterprise Systems for Management.	4	1	1
2. Systems Integration.	4	1	1
3. Enterprise Systems Architecture.	4	1	1
4. Development Life Cycle.	4	1	1
5. Implementation Strategies.	4	1	1
6. Software and Vendor Selection	4	1	1
7. Operations and Postimplementation.	4	1	1
8. Program and Project Management.	8	2	2
9. Organizational Change and Business Process Reengineering.	4	1	1
10. Supply Chain Management.	4	1	1
11. Customer Relationship Management.	8	2	2

### **Teaching And Learning Methodologies :**

Interactive Lectures including discussion

Practical Lab Sessions

Self-Study (Project / Reading Materials / Online Material / Presentations)

### **Course Assessment :**

Methods of assessment	Relative weight %	Week No	Assess What
Assignments	10.00		
Final Exam	40.00	14	
Midterm Exam	20.00	9	
Practical	20.00		
Presentation	10.00		

### **Recommended books :**

Uaa/Rea Aja ^\*\* E0| ^} aA} ^• ERP Systems for Manufacturing Supply Chains: Applications, Configuration, and Performance-EOGEO CRC Press, 1st Edition

### **Web Sites :**

Course Notes are available with all the slides used in lectures in electronic form on Learning Management System (Moodle)

Instructor's Recorded Lectures

www.ekb.eg