جامــعـــة الــزيتــونــة الأردنيــة
**Al-Zaytoonah University of Jordan**

| Study plan No. | 2021/2022 | | University Specialization | | MIS | |
|---|---|---|---|---|---|---|
| Course No. | 0506233 | | Course name | | Enterprise Resource Planning ERP | |
| Credit Hours | 3 | | Prerequisite/ Co-requisite | | Programing package | |
| Course type | ☐ **MANDATORY UNIVERSITY REQUIREMENT** | ☐ **UNIVERSITY ELECTIVE REQUIREMENTS** | ☐ **FACULTY MANDATORY REQUIREMENT** | ☐ **Support course family requirements** | ✓**Mandatory requirements** | ☐ **Elective requirements** |
| Teaching style | ☐ **Full online learning** | | ☐ **Blended learning** | | ✓**Traditional learning** | |
| Teaching model | ☐ **1 Synchronous: 1 asynchronous** | | ☐ **1 face to face : 1 asynchronous** | | ✓**2 Traditional** | |

## Faculty member and study divisions' information (to be filled in each semester by the subject instructor)

| Name | Academic rank | Office No. | Phone No. | E-mail |
|---|---|---|---|---|
| | | | | |
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| Division number | Time | Place | Number of students | Teaching style | Approved model |
|---|---|---|---|---|---|
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## Brief description

This course helps students understand integration of the business processes within a firm and between a firm and its external business partners. The course will conceptually explain the linkages between business processes and how these linkages are supported by enterprise applications and most importantly ERP systems. Case studies are included throughout to provide a balance of theory and practice.

## Learning resources

| Course book information (Title, author, date of issue, publisher ... etc.) | Motiwalla & Thompson (2012). Enterprise Systems for Management, 2nd edition, *Prentice Hall*. | | | |
|---|---|---|---|---|
| Supportive learning resources (Books, databases, periodicals, software, applications, others) | 1- Ellen Monk and Bret Wagner (2013), Concepts in Enterprise Resource Planning, 4th edition, Copyright material. | | | |
| Supporting websites | | | | |
| The physical environment for teaching | ☐ Class room | ✓labs | ☐ Virtual educational platform | ☐ Others |
| Necessary equipment and software | ERPS Software. | | | |
| Supporting people with special needs | | | | |
| For technical support | | | | |

## Course learning outcomes (S= *Skills, C= Competences K= Knowledge,*)

| No. | Course learning outcomes | The associated program learning output code |
|---|---|---|
| **Knowledge** | | |
| K1 | Understanding the information systems evolution and its historical role in organization leading to system integration and Enterprise Resource Planning (ERP). | MK1 |
| K2 | Knowing about ERP system. | MK2 |
| K3 | Learning about the evolution, components and architecture of ERP systems. | MK3 |
| K4 | Understanding ERP implementation life cycle. | MK4 |
| **Skills** | | |
| S1 | Understanding the benefits of implementing ERP systems. | MS1 |
| S2 | Understanding the drawbacks of implementing ERP systems. | MS2 |
| S3 | Learning how ERP systems can help an organization improve its efficiency and worker productivity. | MS3 |
| **Competences** | | |
| C1 | Being able to review the system development life cycle (SDLC). | MC1 |
| C2 | Examining the problems and alternatives with SDLC. | MC2 |
| C3 | Acquiring a greater knowledge base of ERP components and how they work together to support business.. | MC3 |
| C4 | Appreciating the impact of an ERP implementation on platform components. | MC4 |

## Mechanisms for direct evaluation of learning outcomes

| Type of assessment / learning style | Fully electronic learning | Blended learning | Traditional Learning (Theory Learning) | Traditional Learning (Practical Learning) |
|---|---|---|---|---|
| Midterm exam | | **30%** | | |
| Participation / practical applications | | **0** | | |
| Asynchronous interactive activities | | **30%** | | |
| Final exam | | **40%** | | |

**Note 1:** Asynchronous interactive activities are activities, tasks, projects, assignments, research, studies, projects, work within student groups ... etc, which the student carries out on his own, through the virtual platform without a direct encounter with the subject teacher.

**Note 2:** According to the Regulations of granting Master's degree at Al-Zaytoonah University of Jordan, 40% of final evaluation goes for the final exam, and 60% for the semester work (examinations, reports, research or any scientific activity assigned to the student).

## Schedule of simultaneous / face-to-face encounters and their topics

| Week | Subject | learning style* | Reference ** |
|---|---|---|---|
| 1 | Introduction to Enterprise Systems for Management | Lecture | 23-56 |
| 2 | Systems Integration | Lecture | 57-78 |
| 3 | Enterprise Systems Architecture | Lecture | 79-109 |
| 4 | ERP Development Life Cycle | Lecture | 110-160 |
| 5 | Implementation Strategies for ERP Systems | Lecture | 189-211 |
| 6 | Software and Vendor Selection | Lecture | 212-246 |
| 7 | Operational and Post-Implementation | Lecture | 247-263 |
| 8 | Program and Project Management | Lecture | 264-287 |
| 9 | Organizational Change and Business Process re-engineering (BPR) | Lecture | 324-352 |
| 10 | Supply Chain Management | Lecture | 353-374 |
| 11 | Customer Relationship Management | Lecture | Practical |
| 12 | Case Studies | Lecture | Practical |
| 13 | Case Studies | Lecture | Practical |
| 14 | Case Studies | Lecture | Practical |
| 15 | Lab "ERP Software Training" | Lecture | Practical |
| 16 | Lab "ERP Software Training" | Lecture | Practical |

* Learning styles: Lecture, flipped learning, learning through projects, learning through problem solving, participatory learning ... etc.

** Reference: Pages in a book, database, recorded lecture, content on the e-learning platform, video, website ... etc.

## Schedule of asynchronous interactive activities (in the case of e-learning and blended learning)

| Week | Task / activity | Reference | Expected results |
|---|---|---|---|
| 1 | Knowing what is Enterprise Systems for Management. | | |
| 2 | Knowing what is E-business. | | |
| 3 | Knowing what is E-commerce. | | |
| 4 | Knowing what is Systems Integration and what are the benefits. | | |
| 5 | Knowing what is Enterprise Systems | | |

| | Architecture | | |
|---|---|---|---|
| 6 | Knowing what is Supply Chain Management and how does it work with ERPS. | | |
| 7 | Knowing what is ERP Development Life Cycle. | | |
| 8 | Understanding how ERP Development Life Cycle is work. | | |
| 9 | Understanding how ERP Program and Project Management is work together. | | |
| 10 | Knowing how integration of the business processes within a firm. | | |
| 11 | Understanding how integration of the business processes between a firm and another. | | |
| 12 | Knowing what is Customer Relationship Management and how does it work with ERPS. | | |
| 13 | Knowing what is software and vendor selection. | | |
| 14 | Knowing what are implementation strategies for ERP systems | | |
| 15 | Knowing how operational and post-implementation doing. | | |
| 16 | Understand what and how organizational change and business process re-engineering (BPR) work. | | |