



The University of Jordan

Accreditation & Quality Assurance Center

COURSE Syllabus

1	Course title	Enterprise Resource Planning, Design, and Implementation
2	Course number	1904750
3	Credit hours (theory, practical)	3 hours
	Contact hours (theory, practical)	
4	Prerequisites/corequisites	Management Information Systems
5	Program title	Business Information Technology (BIT)
6	Program code	04
7	Awarding institution	Jordan University
8	Faculty	KASIT
9	Department	Business Information Technology (BIT)
10	Level of course	Second Level
11	Year of study and semester (s)	Second Year
12	Final Qualification	B.SC
13	Other department (s) involved in teaching the course	None
14	Language of Instruction	English
15	Date of production/revision	20 th May, 2015
16	Required/ Elective	Elective

16. Course Coordinator:

Office numbers, office hours, phone numbers, and email addresses should be listed.

304, 11 – 12, Ext. 22096, mzamzeer@ju.edu.jo

17. Other instructors:

Office numbers, office hours, phone numbers, and email addresses should be listed.

18. Course Description:

As stated in the approved study plan.

This course takes an in-depth look at the process and requirements necessary to implement an Enterprise Resource Planning System (ERP) for an organization. The Accelerated SAP method (as outlined by the ERP tool SAP) will be followed throughout the semester. Students will first be grouped into small project teams. Each team will be responsible for setting up a Windows Server system and monitoring that server system during the semester. The teams will then implement onto the servers an ERP system used for coordinating an organization's activities. The final tasks performed by the teams will be the transportation of data from a case company's legacy system into the newly implemented ERP system and the configuration of that ERP system to model the case company's Customer Order process.

19. Course aims and outcomes:

A- Aims:

The main goal of this course is to enable students to gain knowledge and skills on how the Enterprise Resource (ERP) systems can integrate data across manufacturing organization to support all major functions of the enterprise.

B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to ...

Successful completion of this course should lead to the following learning outcomes:

A- Knowledge and Understanding: Students should ...

A1: Understand Manufacturing Information Systems concepts, types, models, structures, operations, controls, security, and development environment.

A2: Define manufacturing information systems, list its components, and identify the type of applications it is suited to.

A3: Describe manufacturing information systems modules.

A4: Explain the relationship between the organization's roles and goals and the IT infrastructure.

B- Intellectual skills: with the ability to ...

B1) Analyze and compare the advantages of MRP, MRPII, and ERP in increasing employee productivity in manufacturing.

B2) Design new manufacturing information Systems.

C- Subject specific skills – with ability to ...

C1) Use SAP manufacturing software to see how the BOM, MPS, IVM, and MRP can work.

C2) Implement practical cases, by using SAP manufacturing software.

D- Transferable skills – with ability to

D1) Work in a group in order to implement SAP manufacturing software that adheres to the specification of the newly designed cases.

D2) Present the final work (project) and make a demo.

20. Topic Outline and Schedule:

Week	Topic	Class Assignment	Lab Assignment
Week 1.	Course Overview	No reading assignment this	No lab assignment this
Week 2.	Review: Customer order	Class notes on the COM Project #1 – The COM	
Week 3.	mgnt. process ASAP Overview	Class notes on ASAP Project #2 – ASAP	R/3 Imple- Handout: Overview, due next week. mentation Guide
Week 4.	Planning for R/3, and Setting up a Windows	Setup Server OS. Class notes: ERP Planning & Preparation. Planning Worksheet due	

	Server System	
		next week.
		Project #3 – R/3 4.7 Implementation Monday, Due of the 7 week.
Week 5.	Implementing the R/3	R/3 Continue with the Continue w/ Project #3.
	System	Implementation Guide. Set up Oracle Db
Week 6.	Implementing the R/3	Load R/3 software Handout: Installing the Fine tune & check your
	System (cont.)	SAP GUI. R/3 System. Install GUI. Monday.Due next
Week 7.	Exam 1	Installing the Handout: Project #4 - - Instal the pre
	Installing the PCC	Pre-configured Client. configured client. Due in two weeks
Week 8.	System Monitoring and	Class notes: System d Continue w/ pre-configure
	Performance tools	client (Project #4). Monitoring Handout: List of Project #5 – System Transactions for Daily Monitoring. Due next Check. week.
Week 9.	System Administration	Class notes: System Project #6 – System
	and Security Issues	Administration Administration. Due next week.
Week 10.	Configuration and the	Class notes & Handout: Begin configuring the new
	IMG	Post PCC Installation client based on the case Configuration company's requirements.
Week 11.	Exam 2	Testing the System Handout: Finish the configuration.
	Configuration continued	Configuration for COMTest the system by com- pleting a Customer Order.
Week 12.	Data Transfer Overview	Class notes on data transfer Project #7r – Data Transfe strategies. Overview. Due next

		week..
Week 13.	Performing the Data	Data Transfer Handout: Project #8 – Transferring
	Transfer step	Made Easy. Legacy Data to your new system. Due next week.
Week 14.	Final system preparation	No reading assignment this Final Preparation for
		week COM. (Run Project #1)
Week 15.	Course Review	GO LIVE ! Implementation
		NotebookFinal is due. system test to meet COM requirements.

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

Method	Lecture	Demo	Laboratory	Case study
Learning outcome	A1+A2+A3	B2+ D4	C1 + D2 +D3	B1 + D1

22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

Assessment	Exams + Assignments	Exams + Assignments	Project + Presentation	Exams + Presentation

23. Course Policies:

A- Attendance policies:

B- Absences from exams and handing in assignments on time:

C- Health and safety procedures:

D- Honesty policy regarding cheating, plagiarism, misbehavior:

E- Grading policy:

- | | |
|------------------|-----|
| 1. Mid Term Exam | 30% |
| 2. Lab Exam | 20% |
| 3. Final Exam | 50% |

F- Available university services that support achievement in the course:**24. Required equipment:**

Two Labs with at least 40 desktop computers for each semester equipped with a Data show.

25. References:**A- Required book (s), assigned reading and audio-visuals:**

1. SAP R/3, Business Blueprint, 2 Edition, by Thomas A. Curran & Andrew Ladd, Prentice Hall PTR, 2000. ©
2. The SAP R/3 Handbook, by José Antonio Hernández, McGraw-Hill, 1997. ©
3. Administering SAP R/3: The SD-Sales and Distribution Module, by Jonathan Blain and Bernard Dodd, Que, 1999. ©
4. Accelerated SAP, Implementing at the Speed of Business, by Stewart S. Miller, McGraw-Hill, 1998.©

B- Recommended books, materials, and media:**26. Additional information:**

Name of Course Coordinator: Mannam Zamzeer-----Signature: Zamzeer-----

Date: -20/5/2015----- Head of curriculum committee/Department: -----

Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- -Signature: -----

Copy to:

Head of Department
Assistant Dean for Quality Assurance
Course File