



SUJ-01-05-01A	رقم النموذج	نموذج مخطط مادة دراسية/ انجليزي Course Syllabus
27-10-2022	تاريخ الإصدار	
	رقم وتاريخ المراجعة أو التعديل	
	رقم قرار اعتماد مجلس العمداء	
	تاريخ قرار اعتماد مجلس العمداء	
07	عدد الصفحات	

1.	Course title	Enterprise Resource Planning Systems
2.	Course number	1904351
3.	Credit hours	3
	Contact hours (theory, practical)	Theory and Practical
4.	Prerequisites/corequisites	Management Information Systems
5.	Program title	Business Information Technology
6.	Program code	04
7.	Awarding institution	University of Jordan
8.	School	King Abdullah II for Information Technology
9.	Department	Information Technology
10.	Course level	4
11.	Year of study and semester (s)	Fall 2022-2023
١٢.	Other department (s) involved in teaching the course	NA
١٣.	Main teaching language	English
١٤.	Delivery method	× Face to face learning <input type="checkbox"/> Blended <input type="checkbox"/> Fully online
١٥.	Online platforms(s)	<input checked="" type="checkbox"/> Moodle <input checked="" type="checkbox"/> Microsoft Teams <input type="checkbox"/> Skype <input type="checkbox"/> Zoom <input type="checkbox"/> Others.....
١٦.	Issuing/Revision Date	October 2022

**١٧. Course Coordinator:**

Name:	Dr. Dana Al Qudah	Contact hours: Monday 10:30
Office number:	-	Phone number: 06/5355000
Email:	d.qudah@ju.edu.jo	

١٨. Other instructors:

Name:
Office number:
Phone number:
Email:
Contact hours:
Name:
Office number:
Phone number:
Email:
Contact hours:

١٩. Course Description:

This course introduces the concepts of integrated management of main business processes, often in real time and mediated by software and technology. In this course the main integrated system that will be discussed in the ERP system. ERP systems have many modules in a full integrated organization environment, however; for the purpose of this course three main modules will be discussed as follow; manufacturing, inventory and supply chain management. The course is an industrial course, lecturer from the industry take part of teaching cutting edge technologies in this domain such as SAP, Odoo, ERP next, Meta Fresh.



٢٠. Course aims and outcomes:



A- Aims:

The main aim of this course is to assist students in becoming knowledgeable participants in business processes and the need of integrated packages systems such as ERP system. The course will focus on the main modules that can be found in ERP systems. Starting from manufacturing module, inventory module, customer relationship management and finally supply chain management and finances.

B- Students Learning Outcomes (SOs):

1. Understanding, distinguish and analyze the concepts related to business processes and integrated packages.
2. Understanding and analyzing ERP modules and their importance.
3. Understanding, analyzing and mathematically exploring manufacturing related processes and modules.
4. Understanding, analyzing and mathematically exploring inventory related processes and modules.
5. Understanding, analyzing and mathematically exploring supply chain management related processes and modules.
6. Understanding, analyzing exploring and mathematically exploring inventory management system related processes and modules.
7. Work on groups to practically apply the learned module on open source software package like Odoo, ERP Next, Dolibarr, Tryton and WebERP. Upon successful

Upon successful completion of this course, students will be able to:

Program SOs / ILOs of the course	SO (1)	SO (2)	SO (3)	SO (4)
1	Understanding, distinguish and analyze the concepts related to business processes and integrated packages.	Understanding and analyzing ERP modules and their importance.	Understanding, analyzing and mathematically exploring supply chain management related processes and modules.	Understanding, analyzing exploring and mathematically exploring inventory management system related processes and modules.
2	Understanding, analyzing and mathematically exploring manufacturing related processes and modules.	Understanding, analyzing and mathematically exploring inventory related processes and modules.	Understanding, analyzing and mathematically exploring supply chain management related processes and modules.	Understanding, analyzing exploring and mathematically exploring inventory management system related processes and modules.



3	Work on groups to practically apply the learned module on open source software package like Odoo, ERP Next, Dolibarr, Tryton and WebERP.			
4				
5				
6	Work on groups to practically apply the learned module on open source software package like Odoo, ERP Next, Dolibarr, Tryton and WebERP.	Understanding and analyzing ERP modules and their importance.	Understanding, distinguish and analyze the concepts related to business processes and integrated packages.	

٢١. Topic Outline and Schedule:

Week	Lecture	Topic	Intended Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
1	1.1	Organization, Business Processes, Information Systems, and (ERP) Systems	1,2	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	1.2	Organization, Business Processes, Information Systems,	1,2	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material



		and (ERP) Systems						
	1.3	Organization, Business Processes, Information Systems, and (ERP) Systems	1,2	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	2.1	ERP Modules: Manufacturing	3	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
2	2.2	ERP Modules: Manufacturing	3	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	2.3	ERP Modules: Manufacturing	3	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
Week	Lecture	Topic	Intended Learning Outcome	Learning Methods (Face to Face/Blended/ Fully Online)	Platform	Synchronous / Asynchronous Lecturing	Evaluation Methods	Resources
3	3.1	ERP Modules: Manufacturing	3	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	3.2	ERP Modules: Manufacturing	3	Face to face	Classroom Moodle	Synchronous	Exam and Assignment	Lecture notes, book and



					MS Teams			external material
	3.3	ERP Modules: Manufacturing	3	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
4	4.1	ERP Modules: Manufacturing	3	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	4.2	ERP Modules: Manufacturing	3	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	4.3	ERP Modules: Manufacturing	3	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
5	5.1	ERP Modules: Manufacturing	3	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	5.2	ERP Modules: Manufacturing	3	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	5.3	ERP Modules:	3	Face to face	Classroom	Synchronous	Exam and	Lecture notes, book



		Manufacturing			Moodle MS Teams		Assignment	and external material
6	6.1	ERP Modules: Manufacturing	3	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	6.2	ERP Modules: Manufacturing	3	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	6.3	ERP Modules: Manufacturing	3	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
7	7.1	ERP Modules: Inventory Management and Control	4,6	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	7.2	ERP Modules: Inventory Management and Control	4,6	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	7.3	ERP Modules: Inventory Management and Control	4,6	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material



8	8.1	ERP Modules: Inventory Management and Control	4,6	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	8.2	ERP Modules: Inventory Management and Control	4,6	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	8.3	ERP Modules: Inventory Management and Control	4,6	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
9	9.1	ERP Modules: Inventory Management and Control	4,6	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	9.2	ERP Modules: Inventory Management and Control	4,6	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	9.3	ERP Modules: Inventory Management and Control	4,6	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
10	10.1	ERP Modules: Inventory Management	4,6	Face to face	Classroom Moodle	Synchronous	Exam and Assignment	Lecture notes, book and



		nt and Control			MS Teams			external material
	10.2	ERP Modules: Inventory Management and Control	4,6	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	10.3	ERP Modules: Inventory Management and Control	4,6	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
11	11.1	ERP Modules: supply chain management related processes and modules.	5	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	11.2	ERP Modules: supply chain management related processes and modules.	5	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	11.3	ERP Modules: supply chain management related processes and modules.	5	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material



12	12.1	ERP Modules: supply chain management related processes and modules.	5	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	12.2	ERP Modules: supply chain management related processes and modules.	5	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	12.3	ERP Modules: supply chain management related processes and modules.	5	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
13	13.1	ERP Modules: supply chain management related processes and modules.	5	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	13.2	ERP Modules: supply chain management related processes	5	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material



		and modules.						
	13.3	ERP Modules: supply chain management related processes and modules.	5	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
14	14.1	Practical	7	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	14.2	Practical	7	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	14.3	Practical	7	Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
15	15.1	Revision		Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
	15.2	Revision		Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material



	15.3	Revision			Face to face	Classroom Moodle MS Teams	Synchronous	Exam and Assignment	Lecture notes, book and external material
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٢٢. Evaluation Methods:

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

Evaluation Activity	Mark	Topic(s)	SLOs	Period (Week)	Platform
Midterm Exam	30	1,2,3	1-3	Week 8	Classroom
Project and assignments	20	1-7	1-7	Week 14,15	Classroom, Moodle, MS Teams
Final Exam	50	4,5	4,5	Week 16	Classroom

٢٣. Course Requirements

Students should have a computer and internet connection.

٢٤. Course Policies:

A- Attendance policies: you are allowed 15% of the course time absences, more than that you will be suspended from the course.

B- Absences from exams and handing in assignments on time: Make up exam will be held for students with valid reason.



C- Health and safety procedures:

D- Honesty policy regarding cheating, plagiarism, misbehavior:

E- Grading policy + Weighting (i.e. weight assigned to exams as well as other student work)

F- Available university services that support achievement in the course:

G- Statement on Students with disabilities

Students with Disabilities: Students with disabilities who need special accommodations for this class are encouraged to meet with the instructor and/or their academic advisor as soon as possible. In order to receive accommodations for academic work in this course, students must inform the course instructor and/or their academic advisor

٢٥. References:

A- Required book(s), assigned reading and audio-visuals:

Fane, B., Zeid, I., Burisch, A. and Hesselbach, J., Automation, Production Systems, and Computer-Integrated Manufacturing by MP Groover (Sep 01, 2014).

Heizer, Jay, and Barry Render. "MBA-547 Operations Management Sustainability and Supply Chain Management." (2020).

B- Recommended books, materials, and media:

Power points slides, lecture notes, case studies and ERP Next, Dolibarr, Tryton and WebERP.

٢٦. Additional information:

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Name of Course Coordinator Dr. Dana Al Qudah Signature: DANA AL QUDAH Date: October 2022
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Head of Curriculum Committee/Department: Prof. Rizik Al Sayyed Signature: Prof. Rizik Al Sayyed

Head of Department: Prof. Rizik Al Sayyed -- Signature: Prof. Rizik Al Sayyed

Head of Curriculum Committee/Faculty: Prof. Saleh Al Shrae'a Signature: Prof. Saleh Al Shrae'a
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