Course E-Syllabus

1	**Course title**	Database Management Systems (2)
2	**Course number**	1605440
3	**Credit hours**	3
	Contact hours (theory, practical)	(2,1)
4	**Prerequisites/corequisites**	1605320
5	**Program title**	BSc. In Management Information Systems
6	**Program code**	05
7	**Awarding institution**	The University of Jordan
8	**School**	Business
9	**Department**	MIS
10	**Level of course**	Undergraduate
11	**Year of study and semester (s)**	2020/2021-1
12	**Final Qualification**	BSc. In Management Information Systems
13	**Other department (s) involved in teaching the course**	
14	**Language of Instruction**	English
15	**Teaching methodology**	☐Blended X Online
16	**Electronic platform(s)**	☐Moodle X Microsoft Teams ☐Skype ☐Zoom ☐Others……
17	**Date of production/revision**	

18 Course Coordinator:

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19 Other instructors:

Name:
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Name:
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20 Course Description:

This course will expand upon what was learned about SQL in DBMSs 1 and introduce various other advanced topics. This advanced module of information systems subjects provides the students with a deeper and broader view of the topic deals with implementation aspects of relational database systems. Through the subject, students will be gain the needed knowledge to model, plan, design, and implement a fully workable application using methods, tools, and concepts under Oracle environment, including PL/SQL, APEX Forms and Reports.

21 Course aims and outcomes:

A- Aims:
Students will be gain the needed knowledge to model, plan, design, and implement a fully workable Database applications

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

1. Examine advanced concepts and issues in database modeling and design.
2. Develop further knowledge and experience about Structured Query Language (SQL).
3. Plan, analyze, design, and use a relational database objects under the Oracle environment.
4. Become familiar with Oracle development products, specifically PL/SQL, APEX Forms and Reports.
5. Gain practical experience through the design and implementation of a working project using Oracle development products.

22. Topic Outline and Schedule:

Week	Lecture	Topic	Teaching Methods*/platform	Evaluation Methods**	References
1	1.1	Introduction	Synchronous / Asynchronous (MS Teams)		
	1.2				
	1.3				
2	2.1	Structured Query Language (SQL)- Revision	Synchronous / Asynchronous (MS Teams)	Online Quiz/Assignments	
	2.2				
	2.3				
3	3.1	Procedural SQL (PLSQL)/ Introduction	Synchronous / Asynchronous (MS Teams)	Online Quiz/Assignments	
	3.2				
	3.3				
4	4.1	PLSQL/ -Variable Declaration - Executable Statements -Control Structures	Synchronous / Asynchronous (MS Teams)	Online Quiz/Assignments	
	4.2				
	4.3				
5	5.1	PLSQL/ -Composite Data types - Cursors - Exceptions Handling	Synchronous / Asynchronous (MS Teams)	Online Quiz/Assignments	
	5.2				
	5.3				
6	6.1	PLSQL/ -Functions -Procedures	Synchronous / Asynchronous (MS Teams)	Online Quiz/Assignments	
	6.2				
	6.3				
7	7.1	Oracle APEX / Introduction	Synchronous / Asynchronous (MS Teams)	Online Quiz/Assignments	
	7.2				
	7.3				

8	8.1	Oracle APEX /Forms	Synchronous / Asynchronous (MS Teams)	Online Quiz/Assignments	
	8.2				
	8.3				
9	9.1				
	9.2				
	9.3				
10	10.1	Oracle APEX / Reports	Synchronous / Asynchronous (MS Teams)	Online Quiz/Assignments	
	10.2				
	10.3				
11	11.1				
	11.2				
	11.3				
12	12.1	Revision and Final Exam		Paper Based Exam	
	12.2				
	12.3				
13	13.1				
	13.2				
	13.3				
14	14.1				
	14.2				
	14.3				
15	15.1				
	15.2				
	15.3				

- Teaching methods include: Synchronous lecturing/meeting; Asynchronous lecturing/meeting
- Evaluation methods include: Homework, Quiz, Exam, pre-lab quiz…etc

23 Evaluation Methods:

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

Evaluation Activity	Mark	Topic(s)	Period (Week)	Platform

24 Course Requirements (e.g: students should have a computer, internet connection, webcam, account on a specific software/platform…etc):

students should have a computer, internet connection, Oracle account for APEX and SQL live

25 Course Policies:

A- Attendance policies: B- Absences from exams and submitting assignments on time: C- Health and safety procedures: D- Honesty policy regarding cheating, plagiarism, misbehavior: E- Grading policy: F- Available university services that support achievement in the course:

26 References:

A- Required book(s), assigned reading and audio-visuals: **Oracle Documentations** B- Recommended books, materials and media:

27 Additional information:

Name of Course Coordinator: Mohammad Nawayseh Signature: ---------- Date: ----------

Head of Curriculum Committee/Department: ---------- Signature: ----------

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

Head of Curriculum Committee/Faculty: ---------- Signature: ----------

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