Al al-Bayt University
Prince Hussein Bin Abdullah College for Information Technology
Information Systems Department

902410 4th Generation language.

Course Catalog
This course offers students an introduction to fourth generation languages. And provide them with an understanding of the required RDBMS tools that are used to implement database systems. The class will use ORACLE 10g to study the fundamental concepts of implementing database systems. This course covers basic structures of SQL, PL/SQL, ORACLE Developer Forms and Reports.

Textbook(s)	
Title	Guide to Oracle 10g
Author(s)	R. Conrad, J. Morrison & M. Morrison
Edition	1
Publisher	THOMSON course technology
Year	
ISBN	0-6-19-21629-8
Number of copies in university library	

References	
Books	**Title and Authors**: ORACLE University Book (Oracle 10g). Edition Number Publisher: ORACLE University Date Published: ISBN: Number of copies in university library:
Internet Links	Useful instructional links
Other materials	Other materials that will be supported in the Class.

Instructors	
Coordinator	**Dr. Mohammed-Issa Riad Jaradat**
Office Location	
Office Phone	6297000 ext.
Email	**mi_jaradat@aabu.edu.jo**
Other Instructor	
Office Location	
Office Phone	6297000 ext.

Office Hours
Posted

Lab Information
Names of lab instructors:
Times and locations of course sections

Course Objectives	**Assessment Method**
Objective 1: Provide students with an understanding of the required RDBMS tools that are used to implement database systems.	Exams, Lab Work and Lab Assignments
Objective 2: Provides students with the essential of SQL, PL/SQL, ORACLE Developer Forms and Reports.	Exams
	Team Project

Topics Covered		
Topic	Chapter(s) in Text	Week(s)
An overview of Relational Databases + Introduction to SQL		1
Introduction to SQL		2
Introduction to SQL		3
Introduction to SQL		4
Introduction to SQL		5
Introduction to SQL : Introduction to PL/SQL		6
First Exam		6
Introduction to PL/SQL		7
Introduction to PL/SQL		8
Introduction to PL/SQL		9
Introduction to PL/SQL : (Forms)		10
Introduction to Internet application builder (Forms)		11

Introduction to Internet application builder (Forms)		12
Introduction to Internet application builder (Forms)		12
Second Exam		12
Introduction to Internet application builder (Forms) : Report		13
Introduction to Oracle reports		14
Introduction to Oracle reports		15
Final Exam		16

Course Outcomes:

After completing this course, the student should demonstrate the knowledge and ability to:

- Distinguish between Computer Languages - First-generation Language, Second-generation Language, Third-generation Language, Fourth-generation Language.
- Explain the importance of RDBMS tools that are used to implement database systems.
- Implement some of the learned techniques and concepts using ORACLE 10g to study the fundamental concepts of implementing database systems.

Evaluation

Assessment Tool	Expected Due Date	Weight
First Exam	6th week	20%
Second Exam	12th week	20%
Lab	Weekly	10 %
Final Exam	TBA	50 %

Policies

Attendance	It is strongly recommended that students attend all data structure lectures. Also, university regulations mandate that students may not miss more than 10% of classes without valid excuses. In all cases, they may not miss more than 20% of classes. Should they do, they will be not be allowed to take course exams.
Homework/Lab	Students are expected to attend lab sessions and submit assignments on time.
Exams	Exams will be close-book. Exam dates will be announced later according to departmental and university schedules.
Plagiarism	You should not copy other people's work and claim it is yours. Detected plagiarism will be dealt with as per university regulations.