

**LECTURE SCHEDULE**  
**ITSE 2309 Database Programming: Oracle**  
**Fall 2019 – Synonym 87926**

<i>Week</i>	<i>Date</i>	<i>Planned Lecture Topic</i>	<i>Database Systems and Oracle 12c: SQL</i>
1	8/26/2019	Course Overview Lab Overview	N/A
	8/28/2019	Database Systems Overview of Database Concepts	<b>Chapter 1:</b> Database Systems <b>Chapter 1:</b> SQL Oracle 12c
2	9/02/2019	<b>LABOR DAY</b>	N/A
	9/04/2019	Data Models The Relational Database Model	<b>Chapter 2:</b> Database Systems <b>Chapter 3:</b> Database Systems
3	9/09/2019	The Relational Database Model Basic SQL Statements – SELECT	<b>Chapter 3:</b> Database Systems <b>Chapter 2:</b> SQL Oracle 12c
	9/11/2019	The Entity Relationship (ER) Modeling Table Creation and Management	<b>Chapter 4:</b> Database Systems <b>Chapter 3:</b> SQL Oracle 12c
4	9/16/2019	Table Creation and Management Advanced Data Modeling	<b>Chapter 3:</b> SQL Oracle 12c <b>Chapter 5:</b> Database Systems
	9/18/2019	Normalization of Database Tables Table Constraints	<b>Chapter 6:</b> Database Systems <b>Chapter 4:</b> SQL Oracle 12c
5	9/23/2019	Table Constraints Data Manipulation Language	<b>Chapter 4:</b> SQL Oracle 12c <b>Chapter 5:</b> SQL Oracle 12c
	9/25/2019	Data Manipulation and Transaction Control (DML & TCL)	<b>Chapter 5:</b> SQL Oracle 12c
6	<b>09/30/2019</b>	<b>Review for Exam 1</b>	<b>Chapters 1 - 4: SQL Oracle 12c</b> <b>Chapters 1 – 6: Database Systems</b>
	<b>10/02/2019</b>	<b>EXAM 1</b>	<b>Chapters 1 - 4: SQL Oracle 12c</b> <b>Chapters 1 – 6: Database Systems</b>
7	10/07/2019	Database Design Trans Mgmt. & Concurrency Control	<b>Chapter 9:</b> Database Systems <b>Chapter 10:</b> Database Systems
	10/09/2019	Trans Mgmt. & Concurrency Control Additional Database Object	<b>Chapter 10:</b> Database Systems <b>Chapter 6:</b> SQL Oracle 12c
8	10/14/2019	User Creation and Management Restricting Rows and Sorting Data	<b>Chapter 7:</b> SQL Oracle 12c <b>Chapter 8:</b> SQL Oracle 12c
	10/16/2019	Restricting Rows and Sorting Data	<b>Chapter 8:</b> SQL Oracle 12c

<i><b>Week</b></i>	<i><b>Date</b></i>	<i><b>Planned Lecture Topic</b></i>	<i><b>Database Systems and Oracle 12c: SQL</b></i>
9	10/21/2019	Joining Data from Multiple Tables	<b>Chapter 9:</b> SQL Oracle 12c
	10/23/2019	Joining Data from Multiple Tables Single Row Functions	<b>Chapter 9:</b> SQL Oracle 12c <b>Chapter 10:</b> SQL Oracle 12c
10	10/28/2019	Single Row Functions	<b>Chapter 10:</b> SQL Oracle 12c
	10/30/2019	Group Functions	<b>Chapter 11:</b> SQL Oracle 12c
11	<b>11/04/2019</b>	<b>Review for Exam 2</b>	<b>Chapters 5 - 9: SQL Oracle 12c</b> <b>Chapters 9 and 10: Database Systems</b>
	<b>11/06/2019</b>	<b>EXAM 2</b>	<b>Chapters 5 – 9: SQL Oracle 12c</b> <b>Chapters 9 and 10: Database Systems</b>
12	11/11/2019	Group Functions	<b>Chapter 11:</b> SQL Oracle 12c
	11/13/2019	Subqueries and MERGE	<b>Chapter 12:</b> SQL Oracle 12c
13	11/18/2019	Views	<b>Chapter 13:</b> SQL Oracle 12c
	11/20/2019	Distributed Database Management Systems	<b>Chapter 12:</b> Database Systems
14	11/25/2019	Bus. Intelligence and Data Warehouses Big Data Analytics and NoSQL	<b>Chapter 13:</b> Database Systems <b>Chapter 14:</b> Database Systems
	11/27/2019	Database Connectivity and Web Technologies	<b>Chapter 15:</b> Database Systems
15	12/02/2019	Database Administration	<b>Chapter 16:</b> Database Systems
	<b>12/04/2019</b>	<b>Review for Final Exam</b>	<b>Chapters 10 - 13: SQL Oracle 12c</b> <b>Chapters 12 - 15: Database Systems</b>
16	<b>12/09/2019</b>	<b>FINAL EXAM</b>	<b>Chapters 10 - 13: SQL Oracle 12c</b> <b>Chapters 12 - 15: Database Systems</b>
	<b>12/11/2019</b>	<b>Work on Final Project</b>	N/A

**Note:** Please note that schedule changes may occur during the semester. Any changes will be announced in class and posted as a Blackboard Announcement. Students are expected to read and study the assigned material, per the course schedule, **BEFORE** each class, **this includes lab assignments!**