

# DATABASE SYSTEMS COP4710

## ASSIGNMENTS AT A GLANCE

Spring 2013 (Jan 7<sup>th</sup> – Apr 26<sup>th</sup>)

WEEK #	WEEK OF	TOPIC	PROJECT
1	Jan 7	Introduction to Databases/Overview/Orientation	Logging into Oracle on the Linux/Unix environment
2	Jan 14	The Basic ER Diagram <i>ER Design book Ch 4</i>	<b>ER Ch4</b> due Sun, Jan 20
3	Jan 21	Beyond the First Entity Diagram <i>ER Design book Ch 5</i> <i>SQL/Oracle Ch1</i>	<b>SQL Ex. 1</b> due Fri, Jan 25 <b>ER Ch5</b> due Sun, Jan 27
4	Jan 28	<i>SQL/Oracle Ch2</i>	<b>SQL Ex. 2</b> due Fri, Feb 1
5	Feb 4	Extending Relationship/Structural Constraints <i>ER Design book Ch 6</i> <i>SQL/Oracle Ch3</i>	<b>SQL Ex. 3</b> due Fri, Feb 8 <b>ER Ch6</b> due Sun, Feb 10
6	Feb 11	The Weak Entity <i>ER Design book Ch 7</i>	<b>ER Ch7</b> due Sun, Feb 17
7	Feb 18	Further Extensions for ER Diagrams with Binary Relationships <i>ER Design book Ch 8</i> <i>SQL/Oracle Ch4</i>	<b>SQL Ex. 4</b> due Fri, Feb 22 <b>ER Ch8</b> due Sun, Feb 24
8	Feb 25	<b>Midterm Exam</b> <b>Team Project Part 1 – Form Teams</b>	<b>Midterm</b> due Sat, Mar 2 <b>Proj Pt1</b> due Sun, Mar 3
9	Mar 4	Generalizations and Specializations <i>ER Design book Ch 9</i> <i>SQL/Oracle Ch5</i> <b>Begin Project Part 2</b>	<b>SQL Ex. 5</b> due Fri, Mar 8
	Mar 11	<i>Spring Break</i>	
10	Mar 18	Reverse Engineering <i>ER Design book Ch 11</i> <b>Team Project Part 2 – ER Diagram</b>	<b>Proj Pt2</b> due Fri, Mar 22 <b>ER Ch11</b> due Sun, Mar 24
11	Mar 25	<i>SQL/Oracle Ch6</i> <b>Team Project Part 3 – Structured English</b>	<b>SQL Ex. 6</b> due Fri, Mar 29 <b>Proj Pt3</b> due Sun, Mar 31
12	Apr 1	The relational model; Functional dependencies; Normalization <i>ER Design book Ch 3</i> <i>SQL/Oracle Ch7</i>	<b>SQL Ex. 7</b> due Fri, Apr 5 <b>Normalization Exercise</b> due Sun, Apr 7
13	Apr 8	<i>SQL/Oracle Ch8</i> <b>Team Project Part 4 – Mapping to a Relational Database</b>	<b>SQL Ex. 8</b> due Fri, Apr 12 <b>Proj Pt4</b> due Sun, Apr 14
14	Apr 15	<i>SQL/Oracle Ch10</i>	<b>SQL Ex. 9 (Ch. 10)</b> due Fri, Apr 19
15	Apr 22	<b>Final Project:</b> <b>Team Project Part 5</b> <b>Team Evaluations</b>	<b>Proj Pt5</b> due Fri, Apr 26 <b>Team Evals</b> due Sun, Apr 28

**Note: All exercises are due by 11:59 p.m. on the date listed.**  
**All assignments must be submitted in a Microsoft Word**  
**(.doc, .docx, or .rtf) compatible format.**