

Number	Description & Errata
1	<p>Read the course syllabus.</p> <p>Send an email to ttrolten@yahoo.com. Place CIS119 and your first and last name in the subject line (eg: CIS119- Joe Student). In the message body, state that you have read the syllabus. If you have questions regarding the syllabus, you may include them in the message body or we can discuss them in class. I'll reply with your student code (eg: R2D2), which you'll need for online grade updates.</p>
2	<p>If you're planning to do your lab work off-campus you'll need to install the Oracle client software. Check out a CD from me and follow the installation instructions at the CISDEV server's homepage (cis.dev.sc.maricopa.edu).</p>
3	<p>Read/Study/Do Chapter 1: <i>SQL and Data</i>, pages 1-35.</p> <p>Note: As you read the material, login to our CIS119do database and follow along with the commands discussed in the book. Although assignments from the book will not be collected, they do prepare you for our class sessions and the Applying SQL assignments, which are collected and graded.</p> <ul style="list-style-type: none"> • Page 14: Skip the section entitled <i>Data Normalization</i>. Resume on page 17 at <i>Table Relationships</i>. (We'll cover the skipped material later in the semester.)
4	<p>Read/Study the following articles using the links on my home page (www.sc.maricopa.edu/trolten)</p> <ul style="list-style-type: none"> • <i>What is an Oracle Database?</i> • <i>Database Design and Data Redundancy</i>
5	<p>Read/Study Chapter 1: <i>SQL and Data</i>, pages 36-49.</p> <ul style="list-style-type: none"> • NOTE: This section describes the tables in the STUDENT schema, which is used throughout our textbook. Read this material carefully so you're up to speed with these tables! <p>Do <i>Test Your Thinking</i>, page 49.</p>
6	<p>Read/Study/Do Chapter 2: <i>SQL: The Basics</i>, pages 51-78.</p> <ul style="list-style-type: none"> • Page 56: Skip the section entitled <i>Connecting with a Web Browser: iSQL*Plus</i>. Resume at <i>The Remote Database and Common Log-On Problems</i> on page 59. • Page 62: In the section <i>Creating the Student Schema</i>: we already ran a script to create these objects. You should not need to do so now. • Page 62: Lab 2.1 is the first of several hands-on sections. Launch SQL*Plus and login with <i>your own</i> USERID and PASSWORD. You must either work on-campus or install the Oracle client software as described in assignment 1 above. In addition, you must have previously created the Student database within your own schema. (We will run scripts in class that do so.) • Page 68: In SQL*Plus, remember to type a semicolon (;) at the end of each SQL statement.
7	<p>Read/Study/Do Chapter 2: <i>SQL: The Basics</i>, pages 79-124.</p> <ul style="list-style-type: none"> • Page 83: Skip the section entitled <i>Editing in iSQL*Plus</i>. Resume at <i>Lab 2.3 Exercises</i> on page 86. • Page 91: Skip the section entitled <i>Running Multiple Statements in iSQL*Plus</i>. Resume at <i>Comments in SQL Scripts</i> on page 93.

8	Read/Study the following topics in SQL Tutorial http://www.w3schools.com/sql : SQL Basic: HOME, INTRO, SYNTAX, SELECT, WHERE, AND & OR, ORDER BY. SQLAdvanced: BETWEEN, DISTINCT, LIKE, WILDCARDS, IN.
9	Do <i>Applying SQL #1</i> .
10	Read/Study/Do Chapter 3: <i>Character, Number, and Miscellaneous Functions</i> , pages 127-161. <ul style="list-style-type: none"> • Page 155: Skip the section entitled <i>The Number Versus the BINARY_FLOAT and BINARY_DOUBLE Datatypes</i>. • Page 156: Skip the section entitled <i>The Remainder Function</i>.
11	Read/Study/Do Chapter 3: <i>Character, Number, and Miscellaneous Functions</i> , pages 162-182. <ul style="list-style-type: none"> • Page 166: Skip the section entitled <i>The NANVL Function</i>.
12	Do <i>Applying SQL #2</i> .
13	Read/Study/Do Chapter 4: <i>Date and Conversion Functions</i> , pages 185-213.
14	Read/Study/Do Chapter 4: <i>Date and Conversion Functions</i> , pages 249-262.
15	Read/Study/Do Chapter 5: <i>Aggregate Functions, Group By, and Having</i> , pages 265-288.
16	Read/Study the following topics in SQL Tutorial http://www.w3schools.com/sql : SQL Functions: AVG, COUNT, SUM, MAX, MIN, GROUP BY.
17	Read/Study/Do Chapter 6: <i>Equijoins</i> , pages 289-328.
18	Read/Study the following topics in SQL Tutorial http://www.w3schools.com/sql : SQL Advanced: ALIASES, JOINS, INNER JOIN.
19	Do <i>Applying SQL #3</i> .
20	Read/Study handouts: <i>Introduction to Logical Database Design</i> and <i>Database Design: Redundancy and Normalization</i>
21	Read/Study Chapter 1: <i>SQL and Data</i> , pages 14-22, stop at <i>Identifying and Nonidentifying Relationships</i> . Do exercise 1.2.2, parts a-d on page 28. (Answers are on page 30-32.)
22	Read/Study/Do Chapter 8: <i>Set Operators</i> , pages 389-410.
23	Read/Study/Do Chapter 7: <i>Subqueries</i> , labs 1 and 2 on pages 329-364.
24	Read/Study/Do Chapter 7: <i>Subqueries</i> , labs 3 and 4 on pages 365-387.
25	Do <i>Applying SQL #4</i> .
26	Read/Study/Do Chapter 9: <i>Complex Joins</i> , pages 413-443. Read/Study the following topics in SQL Tutorial http://www.w3schools.com/sql : SQL Advanced: Left Join, Right Join, Full Join, Union
27	Do <i>Applying SQL #5</i> .

28	<p>Read/Study/Do Chapter 10: <i>Insert, Update and Delete</i>, pages 445-502.</p> <ul style="list-style-type: none"> • Page 452: Skip the section entitled <i>Inserting Into Multiple Tables</i>. Resume at <i>Transaction Control</i> on page 455. • Page 473: Skip the section entitled <i>Subqueries and the Update Command</i>. Resume at <i>Deleting Data</i> on page 480. • Page 486: Skip the section entitled <i>The System Change Numbers and Multi-Versioning</i>. Resume at <i>Performance Considerations</i> on page 492.
29	Read/Study the following topics in SQL http://www.w3schools.com/sql : SQL Basic: INSERT, UPDATE, DELETE.
30	Read/Study/Do Chapter 11: <i>Create, Alter and Drop Tables</i> , pages 505-539.
31	Read/Study/Do Chapter 11: <i>Create, Alter and Drop Tables</i> , pages 540-566.
32	Read/Study the following topics in SQL Tutorial http://www.w3schools.com/sql : SQL Advanced: CREATE TABLE, CONSTRAINTS, NOT NULL, UNIQUE, PRIMARY KEY, FOREIGN KEY, CHECK, DEFAULT, ALTER, DROP.
33	Do <i>Applying SQL #6</i> .
34	Read/Study/Do Chapter 12: <i>Views, Indexes and Sequences</i> , pages 569-610.
35	Read/Study/Do Chapter 13: <i>The Data Dictionary and Dynamic SQL Scripts</i> , pages 613-631.
36	Read/Study/Do Chapter 13: <i>The Data Dictionary and Dynamic SQL Scripts</i> , pages 632-656.
37	<p>Read/Study Chapter 14: <i>Security</i>, pages 659-692.</p> <ul style="list-style-type: none"> • You'll only be able to read through the chapter. Since you don't have your own Oracle database you won't be able to login as SYSYEM and your account lacks privileges to create new users. • Since you can't actually <i>do</i> the Lab at the end of the chapter, simply read along and check the answers at the end of the lab.
38	Do <i>Applying SQL #7</i> .