**A:03 Chapter 3 Assignment – SQL**

1. List the names (first and last name) of all instructors.

**SELECT first\_name, last\_name**

**FROM instructor;**

1. Provide a list of distinct course numbers that are being taught as sections.  Hint: page 119.

**SELECT DISTINCT course\_no**

**FROM section;**

1. List the names of Instructors with a first name starting with "T".

**SELECT \***

**FROM instructor**

**WHERE last\_name LIKE ‘T%’;**

1. List the full name, phone and employer for all students with a last name of "Miller".

**SELECT first\_name, last\_name, phone, employer**

**FROM student**

**WHERE last\_name = ‘Miller’;**

1. List the course number and course description of all courses that have a prerequisite of course 20.

**SELECT course\_no, description**

**FROM COURSE**

**WHERE prerequisite = 20;**

1. List the course number, description and cost for all 200 level courses costing less than $1100.

**SELECT course\_no, description, cost**

**FROM course**

**WHERE course\_no >= 200**

**AND cost < 1100;**

1. List the course number and section id for all 100 level courses taught in room L509 or L214.

**SELECT course\_no, section\_id**

**FROM section**

**WHERE course\_no >= 100**

**AND location = ‘L509’**

**OR location = ‘L214’;**

1. List the course number and section id for classes with a capacity of 15 or 20 (use the IN clause). Order the list by course number and section id.

**SELECT course\_no, section\_id**

**FROM section**

**WHERE capacity IN(15, 20)**

**ORDER BY course\_no, section\_id;**

1. List the student id and grade for all of the quiz scores (QZ) in section id 147. Arrange the list by student id and grade. (from table grade).

**SELECT student\_id, numeric\_grade**

**FROM grade**

**WHERE grade\_type\_code = ‘QZ’**

**ORDER BY student\_id, numeric\_grade;**

1. List the course number and description for all courses with a prerequisite, arranged on course description.

**SELECT course\_no, description**

**FROM course**

**WHERE prerequisite IS NOT NULL**

**ORDER BY description;**