# Statement of Work

1. This database supports the Instructor Teaching Tracker application. It keeps track of Instructor, course, and section data, as well as classes taught and schedule. The purpose of this is to assist Instructors with scheduling/maintaining classes in an efficient manner.

The Instructor table has the name, address, phone number and section number. The course list has the course name, author, description, hours and section number. The section table has the section number, name, address and field of study. The Instructor Classes table shows the Instructor, schedule, course, room number and Instructor notes. The class schedule gives the day/time a class is taught, a down day schedule and notes.

For this application a section can have many Instructors, but an Instructor can only belong to one section. A section can control many courses, but a course can belong to only one section. An instructor can teach many classes and a class can be taught by many instructors; this is handled with an associative entity. Many classes can be generated from one course, but each class can only be generated from a single course. One class can have only one schedule, while many classes can have the same schedule.

Assumptions: This application tracks classes taught by instructors and includes a class schedule. It is assumed classes will always meet a specific schedule criteria of Monday-Wednesday-Friday, Tuesday-Thursday, or Saturday. Down days are tracked for individual classes since this will vary based upon the specific class.

1. Database: Oracle 11g on Windows platform.
2. Software: ER Assistant, Oracle SQL developer, and Oracle SQL developer data modeler.
3. DDL – drop and create the database objects including tables, views, triggers, and sequences. DML – populate and query data.