# ERD Homework #2

Using MySQL Modeler, draw the ERD that represents the following scenarios. You can put the diagrams on the same page to turn in.

Scenario 1:

A laboratory has several chemists who may use certain pieces of equipment. Each piece of equipment may be used by several chemists, or it may be idle, that is, not in use by anyone. Since this is a many-to-many relationship, there is an associate entity CHEMIST-EQUIP, that connects CHEMIST and EQUIPMENT. Attributes of chemist include chemist id (PK), name and phone number. Equipment has the attributes serial number (PK) and cost. The organization wishes to record an Assign\_Date, i.e. the particular date when a given piece of equipment was assigned to a particular chemist. (Hint Assign\_date is an attribute of the Associate Entity CHEMIST-EQUIPMENT.)

Scenario 2:

The entity type STUDENT represents any university student. ACTIVITY represents some campus-based activity in which the student may participate. A student may participate in zero or more activities, and an activity may have zero or more students participating in it. PARTICIPATION is the associative entity that represents one student participating in one particular activity. No\_years is an attribute of PARTICIPATION. Each student has a unique ID first and last name; and an activity has a unique ID and activity name.

Put both diagrams on the same EER Diagram page and submit to the appropriate folder in D2L Assignments.