**Ch4-Prac-ERD**

**In-Class:** Chapter 4 Practice Entity-Relationship Data Model - In-Class \_\_\_ \_\_\_ \_\_

**Entity Relationship Diagram:** Create a data model to track students, classes, instructors, and other information.

* Students can enroll in classes.
* Instructors teach classes.
* Instructors also belong to departments.
* Each student receives a mid-term and final progress report in each class.
  + The progress report lists the student’s current grade and advice from their instructor.
* Write down any assumptions you make.
* Analyze what entities and attributes are needed, and determine the identifier of each entity.
* Use non-identifying or identifying relationships, and strong or weak entities as appropriate.
  + Do not use surrogate identifiers for potentially ID-dependent entities.
* Specify minimum and maximum cardinalities.
* Use the IE Crow's Foot E-R model for your E-R diagram.