

**CS 4611 – Spring 2017 – Laboratory 4**

**Assigned: 09/26/2017**

**Due: 10/04/2017 at 11:59 PM. Submit your file(s) to canvas.**

**Maximum Grade: 100 pts.**

**Objectives:** The objectives of this lab are the following:

- Review the basic concepts of E-R diagrams: entity/entity sets, relationship/relationship sets, attributes, participation constraints (one-to-one, one-to-many, many-to-one, many-to-many), weak entity sets.
- Practice how to reduce an E-R diagram to an appropriate set of relational schemas.

**Activity 1:** Do exercise 7.28 of the “ER Exercises Elmasri....pdf” file. Then reduce that E-R diagram into the relational model. Don’t forget to write the constraints.