

CS 3520

Assignment # 5

- In the following E-R diagram, there are:
- Two entity types: Faculty with FId and FName, and Course with CId and CName.
- A many-to-many relationship Qualify means: a faculty is qualified to teach many courses after certain date and there are many faculty qualified to teach a course after certain date.
- A one-to-many relationship Assign means: up to 3 courses can be assigned to a faculty to teach only if that faculty is qualified to teach that course. To be assigned properly, the date of qualification must be before or the same as the date of assignment.
- 1. Create the schema for this E-R model.
- 2. Create the tables for these schemas.
- 3. Populate the tables Faculty, Course, and Qualify by inserting at least 15 tuples in each.
- 4. Write queries to do some course assignment for several faculty.
- 5. you need to write necessary triggers to enforce the two constraints.
- 6. Submit a file including the printouts of your schema, tables, triggers, and all SQL queries that you write to create tables, to load data, and to do any search.

ER Diagram for University Database

