### Project Description, Requirements, Business Rules

### Database Design – 10 points

### ER Diagram & Relational Model

MySQL database tables, views, at least two trigger/procedure/function

Primary and foreign keys

### Website Design, Layout & User manual – 15 points

Including navigation, CSS

Application Functionality & Requirements: - 65 points

Below list at least six features of your website and how to test them. All input must be error checked. Functionality implemented without SQL can be listed for credit; however, you must have at least five SQL queries including at least one insert or update generated from user input and at least two complex queries involving multiple tables.

1. *Describe in detail! Below is an example remove and add your own:*

*To list the courses a student is taking in a given term go to the courses page, input a valid student ID number and select the term from the drop-down list. Click the submit button and a list of course will be displayed in a table if the student ID was valid and the student was enrolled that term. If the student wasn’t enrolled that term, a message will appear. If the student ID is not valid then the form is not submitted and the user is prompted to input a valid ID.*

*SQL:*

*SELECT crsnumber, crsname*

*FROM Transcript*

*WHERE sID = ‘$sID’ and term = ‘$term’*

2.

3.

4.

5.

6.

…Code – must include comments - 10 points

Total 100 points

What to submit to Canvas. DO NOT ZIP!

* Project Report
* Grade Sheet
* Screenshots of the content and structure of your database tables.
* In comments URL & onid username of the student that submitted to TEACH

What to submit to TEACH. (If you are working in a group submit a single copy)

* Zipped folder containing all files for website and all exported SQL files for your database.