**Assignment: DDL**

**Task 1: PSU Abington University Database Creation [5 points]**

Below is a schema of PSU Abington database. Create the database and all tables using SQL command. Also, insert at least 3 rows in each table using SQL command. In phpMyAdmin, **Name your database as “universitydb”**.

***Shcema:***

Department (dept\_name, building, budget)

Course (course\_id, title, dept\_name, credits)

Instructor (ID, name, dept\_name, salary)

Section (course\_id, sec\_id, semester, year, building, room\_number)

Teaches (ID, course\_id, sec\_id, semester, year)

Student (ID, name, dept\_name, tot\_cred)

Note:

* Data type/domain of each attribute should be appropriate.
* You should maintain referential integrity (primary key-foreign key relationship. Below are example codes for creating two tables maintaining referential integrity.

create table department (

dept\_name varchar(20),

building varchar(15),

budget numeric(10,2),

Primary key (dept\_name));

create table course (

course\_id varchar(8),

title varchar(50),

dept\_name varchar(20),

credits numeric(2,0),

primary key (course\_id),

foreign key (dept\_name) references department (dept\_name));

What to submit: Create a report by putting all SQL commands for table creation and data insertion in a word document. In addition, display your table data using SQL commands in phpMyAdmin and put snapshots of all tables with data in your report. Submit the report through Blackboard.

**Task 2: Data Manipulation using SQL Command [5 points]**

Perform following data manipulation:

1. Increase the budget of law department by 5 percent.
2. Show the budget of CSC department.
3. List name and salary of all instructors of CSC department.
4. List name and total credits of all students.

What to submit: Create a report by putting all SQL commands and snapshots of your output from phpMyAdmin in a word document. Submit your report through Blackboard.