

# CL203 – Database Systems Lab

## Task#05 – PHP, MySQL

Download the attached script named *university.sql*. The database contains a table named student having the following attributes:

Field	Type	Null	Key	Default	Extra
roll_no	varchar(10)	NO	PRI	NULL	
st_name	varchar(30)	NO		NULL	
f_name	varchar(30)	NO		NULL	
gender	varchar(10)	NO		NULL	
contact	varchar(16)	NO		NULL	
address	varchar(250)	NO		NULL	

Figure 1: Student table

Create another table in the same database and name it *Courses* having the attributes *course\_code*, *course\_name* and *credit\_hours*. You need to enroll the students in courses, you can create additional table(s) if needed. A single student can be enrolled in multiple courses and a single course can have multiple students.

Create a webpage using which a user can enter a new course in the Courses table. Create another page where a student can be enrolled in the available courses. All of the courses that are in the Courses table should be shown on this page. The courses that a student is enrolled in should be shown in a separate section than those that he/she is not enrolled in. Your webpage should look like the page shown in the following figure:

Search Student

Roll No

Search

Roll No

Name

Father's Name

Gender

Contact No

Address

p20-1234

abc

def

Male

123

Kohat

Registered Courses

Code	Name	Credits
CS203	Database Systems	3
CL203	Database Systems Lab	1
CS205	Operating Systems	3
CL205	Operating Systems Lab	1

Available Courses

Code	Name	Credits	
CS302	Design & Analysis of Algorithms	3	<input type="button" value="Register"/>
CS211	Discrete Structures	3	<input type="button" value="Register"/>
MG108	Fundamentals of Accounting	3	<input type="button" value="Register"/>
CS307	Computer Networks	3	<input type="button" value="Register"/>
CL307	Computer Networks Lab	1	<input type="button" value="Register"/>

Figure 2: Course Registration/Enrolment

### Note:

- You should submit the webpages (php files) as well as the sql file of the database.
- The code shown to you during the lab can be downloaded from slate (Resources-> university\_p1.zip)