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Assignment-2

ER Diagram
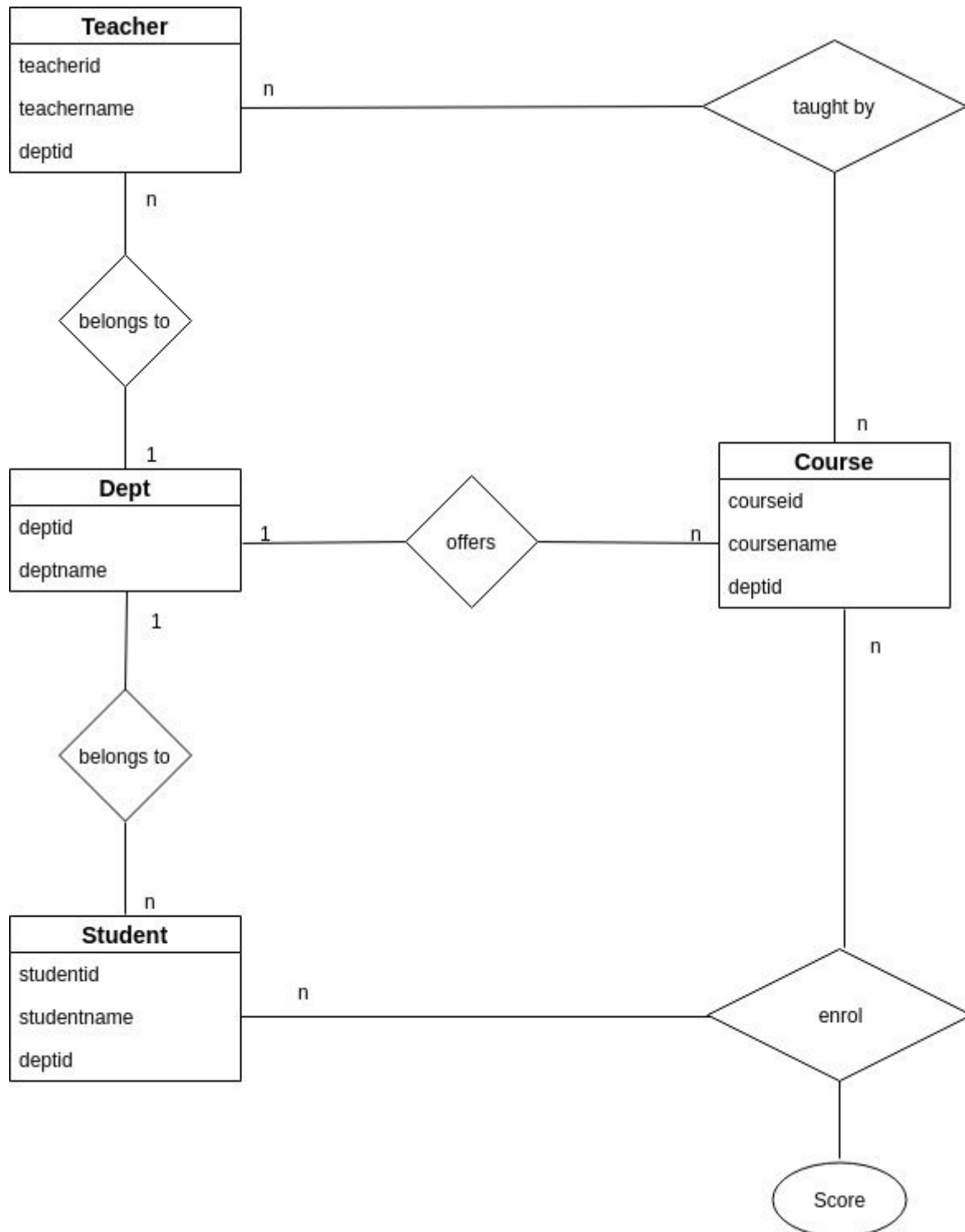
Table Schema:

Department:

```
+----------+--------------+------+-----+---------+----------------+
| Field    | Type         | Null | Key | Default | Extra          |
+----------+--------------+------+-----+---------+----------------+
| deptid   | int(11)      | NO   | PRI | NULL    | auto_increment |
| deptname | varchar(100) | NO   | UNI | NULL    |                |
+----------+--------------+------+-----+---------+----------------+
```

Teacher:

```
+-------------+--------------+------+-----+---------+----------------+
| Field       | Type         | Null | Key | Default | Extra          |
+-------------+--------------+------+-----+---------+----------------+
| teacherid   | int(11)      | NO   | PRI | NULL    | auto_increment |
| teachername | varchar(100) | NO   |     | NULL    |                |
| deptid      | int(11)      | NO   | PRI | NULL    |                |
+-------------+--------------+------+-----+---------+----------------+
```

Student:

```
+-------------+--------------+------+-----+---------+-------+
| Field       | Type         | Null | Key | Default | Extra |
+-------------+--------------+------+-----+---------+-------+
| studentid   | int(11)      | NO   | PRI | NULL    |       |
| studentname | varchar(100) | NO   |     | NULL    |       |
| deptid      | int(11)      | NO   | MUL | NULL    |       |
+-------------+--------------+------+-----+---------+-------+
```

Course:

```
+------------+--------------+------+-----+---------+----------------+
| Field      | Type         | Null | Key | Default | Extra          |
+------------+--------------+------+-----+---------+----------------+
| courseid   | int(11)      | NO   | PRI | NULL    | auto_increment |
| coursename | varchar(100) | NO   | UNI | NULL    |                |
| deptid     | int(11)      | NO   | PRI | NULL    |                |
+------------+--------------+------+-----+---------+----------------+
```

Relation Student-Course:

```
+------------+---------+------+-----+---------+-------+
| Field      | Type    | Null | Key | Default | Extra |
+------------+---------+------+-----+---------+-------+
| rstudentid | int(11) | NO   | PRI | NULL    |       |
| rcourseid  | int(11) | NO   | PRI | NULL    |       |
| score      | int(11) | NO   |     | 50      |       |
+------------+---------+------+-----+---------+-------+
```

Relation Teacher-Course:

```
+------------+---------+------+-----+---------+-------+
| Field      | Type    | Null | Key | Default | Extra |
+------------+---------+------+-----+---------+-------+
| rteacherid | int(11) | NO   | PRI | NULL    |       |
| rcourseid  | int(11) | NO   | PRI | NULL    |       |
| rdeptid    | int(11) | NO   |     | NULL    |       |
+------------+---------+------+-----+---------+-------+
```