

1) Entities

College

The university is divided into sections called 'college' according to their fields of study. Along with a unique name (CName), office information (COffice), a phone number (CPhone), and the dean's information (DeanId) are kept. Dean is an academic with the title of Professor.

Dept

Although each college has similar fields of study, there are departments that are separated because they are different disciplines. Department, along with a unique code (DCode), name (DName), office information (DOffice), phone number (DPhone), department manager academician's identity information (ChairmanId), date information when the person started to be a manager in the department (CStartDate), and information about which college the department is affiliated with are stored (CName).

Instructor

Instructors are only people who are attached to a department and provide courses and sections. Along with a unique identifier (Id), they have an academic title (Rank), a name (IName), office information (IOffice), a phone number (IPhone), and the code of the department they are affiliated with (DCode).

Course

The division of courses into sections allows multiple academicians to teach them at once. Courses are structures related to a department. In addition to a unique code (CCode), it has credit information (Credits), a name (CoName), an education level (Level), course information (Cdesc), and the code of the department it is affiliated with (DCode).

Section

A section is one of the sub-parts formed as a result of sharing a course and is given by academicians and taken by students. It has a section number (SecNo), term information (Sem), year taken (Year), building information (Bldg), classroom number (RoomNo), number of days per week (DaysTime), identity information of the academician (InsId), and the course code (CCode) to which it is attached, together with unique identification information (SecId).

Student

A student is a person who is affiliated with a department, receives a section, and is graded on it. It has a unique student number (SId), date of birth (DOB), first name (FName), middle name (MName), last name (LName), address information (Addr), phone number information (Phone), department information (Major) and the code of the department to which you belong (DCode).

Student_Takes

It is the entity where a student takes which sections and grade information is kept. Student (SId) and section number (SecId) are uniquely side by side, and grade information (Grade) is also kept.

2) Relations

Dean

An academic can only be dean of one college.
A college can have at least one dean.

Admins

A department can be affiliated with only one college.
A college can have multiple departments.

Chair

An academic can only manage one department.
A department can have at least one manager.

Employs

An academic has to be affiliated with only one department.
A department can have more than one academician.

Teaches

A section must have only one instructor (academic).
An academic may give more than one section.

Has

A student can be affiliated with only one department.
A department can have more than one student.

Offers

A course must be associated with a single department.
A department can have more than one course.

Takes

A student can register for more than one section.
A section must have at least five students.

Secs

A section is bound to have one course.
A course can have more than one section.