ER Diagram for a university database consisting of 4 entities

1. Student
2. Department
3. Class
4. Faculty

A student has a unique id, the student can enroll for multiple classes and has at most one major. Faculty must belong to department and faculty can take multiple classes- Every student will get a gradefor the class he / she has enrolled.
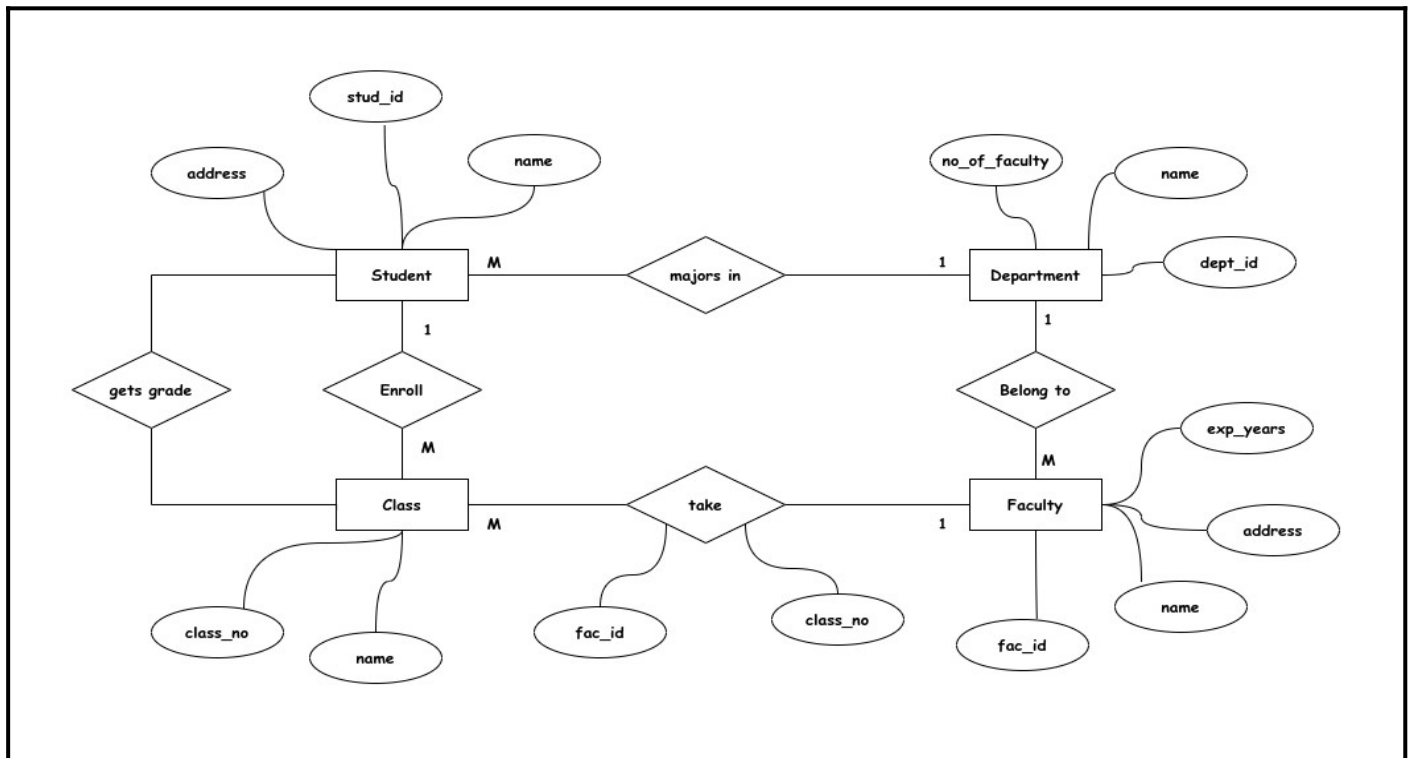

Figure 1: ER Diagram for University Database

Student Table

PK	id
	name
	address
	dept_id

Department Table

PK	dept_id
	d_name
	no_of_faculty

Grade Table

PK,FK1	dept_id, stud_id
PK,FK2	dept_id, class_no
	Grade

takes_class Table

PK,FK1	fac_id
PK,FK2	class_no

Faculty Table

PK,FK1	dept_id
PK	fac_id
	fac_name
	exp_years
	address

Class Table

PK	classNo
	cName

Stud_class Table

PK,FK1	dept_id, classNo
PK,FK2	deptId, stud_id,

Figure 2: Table description for University Database