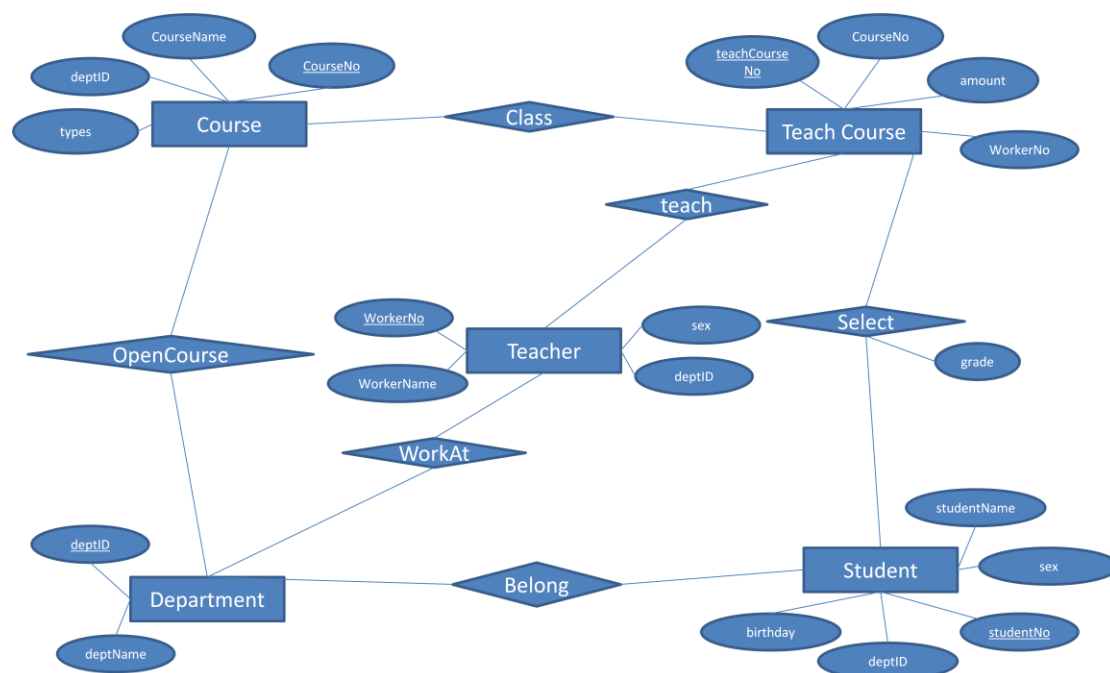1)成绩管理模块 ER 图

2)成绩管理模块关系模式

Course: (CourseNo , CourseName , deptID , types)

TeachCourse:(teachCourseNo , CourseNo , amount , WorkerNo)

Student: (studentNo , studentName , sex , birthday , deptID)

Department:(deptID , deptName)

Teacher: (WorkerNo , WorkerName , sex , deptID)

SelectCourse:(teachCourseNo , studentNo, grade)

3)参照约束关系

TeachCourse 表内 CourseNo 字段受 Course 表 CourseNo 字段约束

TeachCourse 表内 WorkerNo 字段受 Teacher 表 WorkerNo 字段约束

SelectCourse 表内 teachCourseNo 字段受 TeachCourse 表 teachCourseNo 字段约束

SelectCourse 表内 studentNo 字段受 student 表 studentNo 字段约束

Teacher 表内 deptID 字段受 Department 表内 deptID 字段约束

Course 表内 deptID 字段受 Department 表内 deptID 字段约束

Student 表内 deptID 字段受 Department 表内 deptID 字段约束

4)各表设计结构

Course 表：

列名	数据类型	允许 Null 值
courseNo	char(8)	☐
courseName	varchar(50)	☐
types	varchar(20)	☑
deptID	char(4)	☐
		☐

EvaluateCourse

	studentNo	char(6)	☐
	teachCourseNo	char(10)	☐
	evaluation	varchar(200)	☑

SelectCourse

	studentNo	char(6)	☐
	teachCourseNo	char(10)	☐
	grade	int	☑

Student

	studentNo	char(6)	☐
	studentName	varchar(20)	☐
	sex	char(2)	☐
	birthday	date	☑
	deptID	char(4)	☐

TeachCourse

	teachCourseNo	char(10)	☐
	courseNo	char(8)	☑
	workerNo	char(5)	☑
	amount	int	☑

Teacher

	workerNo	char(5)	☐
	workerName	varchar(20)	☐
	sex	char(2)	☐
	deptID	char(4)	☑