

# lab 1 week2 database

## University

Entities: Students, departments, Courses, sections, grades

Students (Entity set)

Attributes

- name
- student number (unique)
- social security number (unique)
- current address and phone number
- permanent address and phone number
- birth date
- sex
- class
- Major department (Entity, required)
- Minor department (Entity)
- program

## Department (Entity set)

Attributes

- name (unique)
- department code (unique)
- office number
- office phone number
- college

## Course (Entity set)

Attributes

- name
- description
- course number
- number of semester hours (unique)
- level
- offering department (Entity)

## Section (Entity set)

Attributes

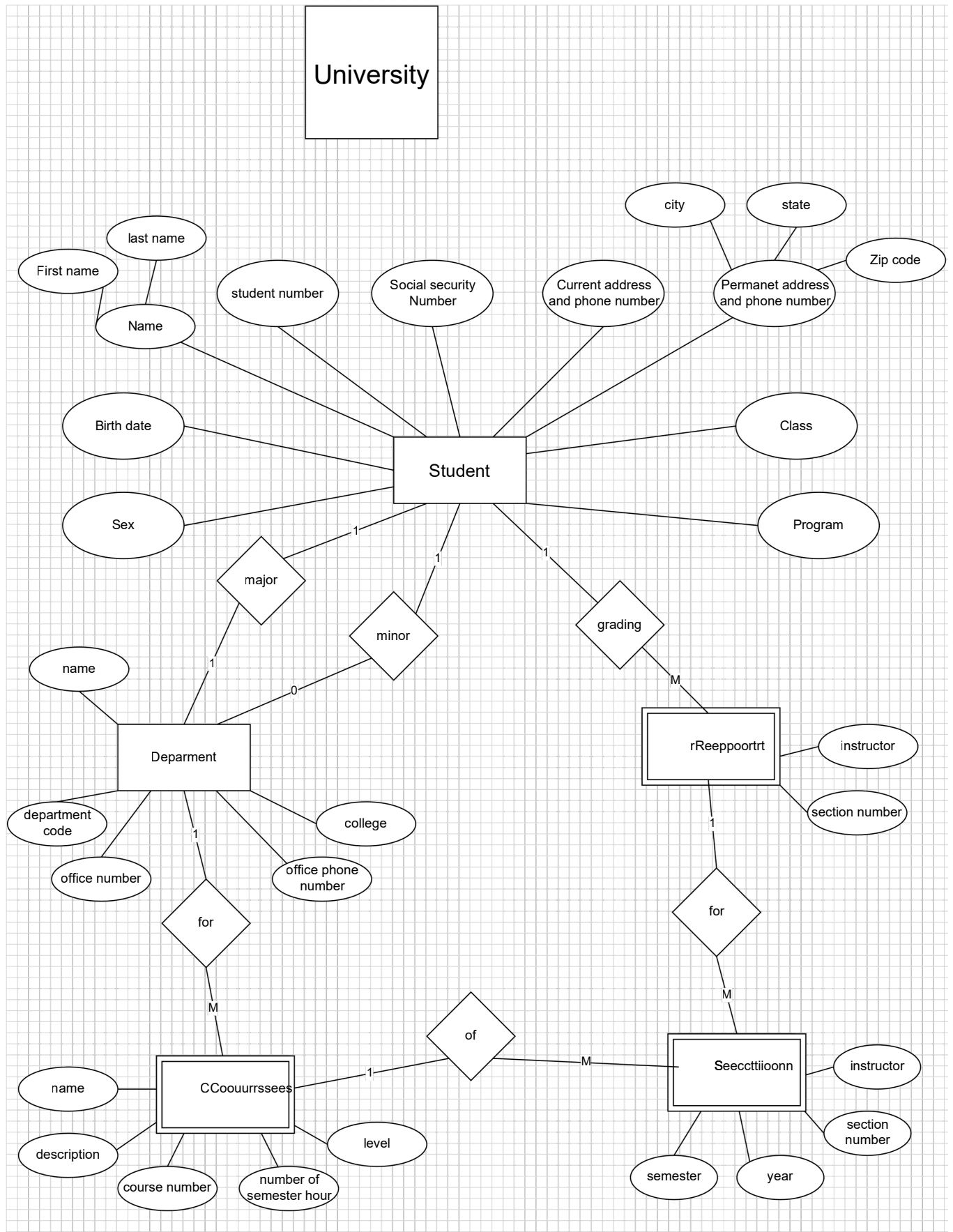
- instructor

- semester
- year
- course (Entity)
- section number (unique)

### **Grade Report (Entity set)**

#### Attribute

- student (Entity)
- section (Entity)
- grade
- numeric grade



Mail order

Entities : Employees, Customers, Parts, Orders

### **Employees (Entity set)**

Attribute

- employee number (unique)
- name (first and last)
- Zip code

### **Customers(Entity set)**

Attribute

- customer number (unique)
- name(first and last)
- Zip code

### **Parts(Entity set)**

Attribute

- part number(unique)
- name
- price
- quantity

### **Order(Entity set)**

Attribute

- customer
- employee
- order number(unique)
- part quantities
- receipt date
- ship date (expected and actual)

