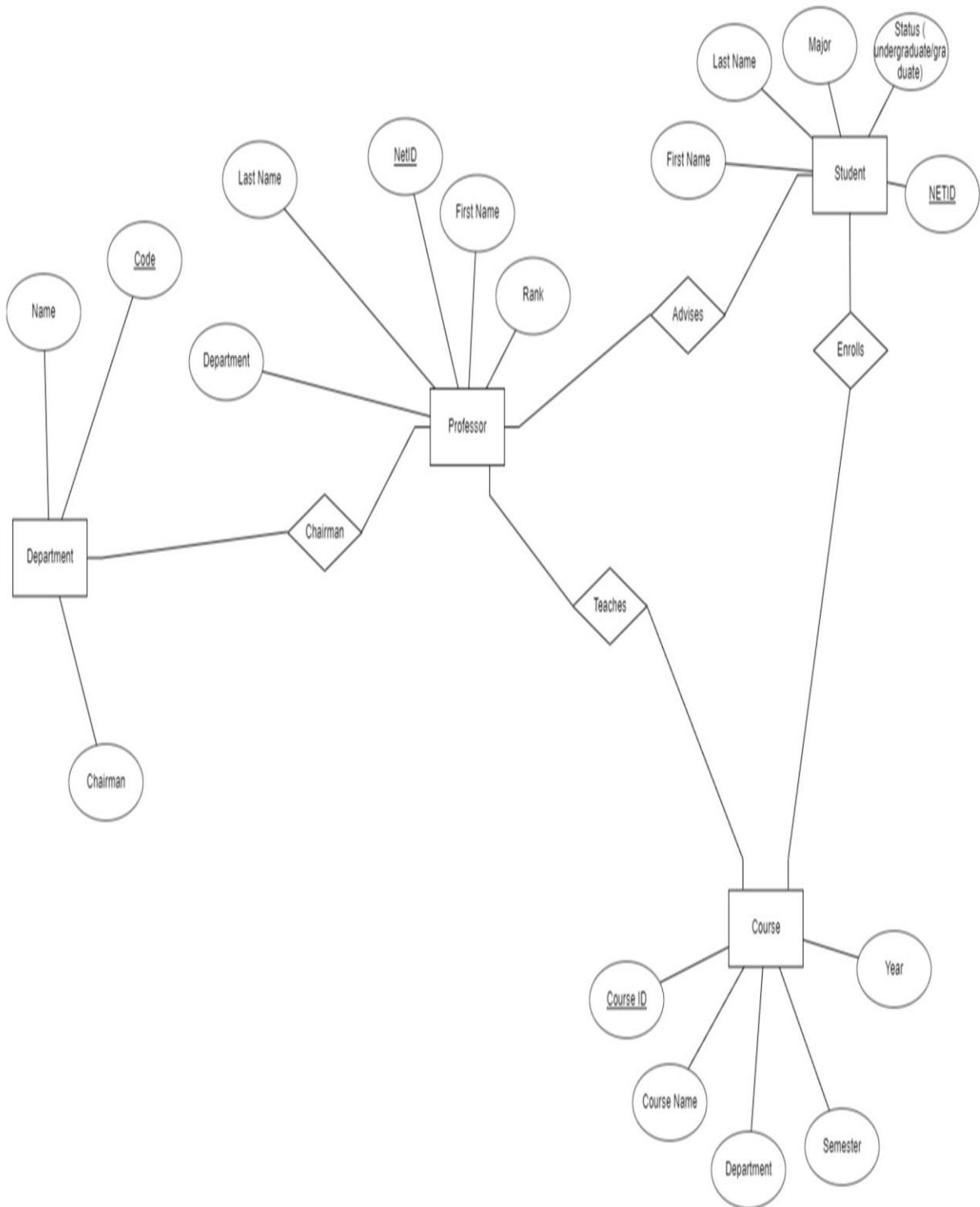


ER DIAGRAM



SQL CODE TO REPRESENT THE ABOVE ER DIAGRAM

```
Create table STUDENT ( NETID VARCHAR(08) primary key not null,  
FIRST NAME VARCHAR(25) NOT NULL,  
LAST NAME VARCHAR(25) NOT NULL,  
MAJOR VARCHAR(25) NOT NULL,  
STATUS CHAR(13) NOT NULL  
);
```

```
CREATE TABLE DEPT(DEPT_CODE VARCHAR(08) PRIMARY KEY NOT NULL,  
DEPT_NAME VARCHAR(50) NOT NULL,  
CHAIRMAN VARCHAR(25) NOT NULL  
);
```

```
CREATE TABLE COURSE ( COURSE_ID VARCHAR(08) PRIMARY KEY NOT NULL ,  
COURSE_NAME VARCHAR(50) NOT NULL,  
SEM VARCHAR(08) NOT NULL,  
YEAR INT (04) NOT NULL,  
DEPT_CODE VARCHAR(08) REFERENCES DEPT(DEPT_CODE) NOT NULL  
);
```

```
CREATE TABLE PROFESSOR ( NET_ID VARCHAR(08) PRIMARY KEY NOT NULL,  
FIRST_NAME VARCHAR (25) NOT NULL,  
LAST NAME VARCHAR(25) NOT NULL,  
RANK INT (04) NOT NULL,  
DEPT_CODE VARCHAR(08) REFERENCES DEPT(DEPT_CODE) NOT NULL  
);
```

```
CREATE TABLE ENROLL(  
STUDENT_ID VARCHAR(08) REFERENCES STUDENT(NETID) NOT NULL,  
COURSE_Id VARCHAR(08) REFERENCES COURSE(COURSE_ID) NOT NULL,  
CONSTRAINT PK_ENROLL PRIMARY KEY (STUDENT_ID, COURSE_Id)  
);
```

```
CREATE TABLE TEACH( PROFESSOR_NETID REFERENCES PROFESSOR ( NET_ID) NOT NULL,  
COURSEId VARCHAR(08) REFERENCES COURSE(COURSE_ID) NOT NULL,  
CONSTRAINT PK_TEACH PRIMARY KEY (PROFESSOR_NETID, COURSE_Id)  
);
```

```
CREATE TABLE ADVISE( STUDENT_ID VARCHAR(25) REFERENCES STUDENT(NETID) NOT NULL,  
PROFESSOR_NETID VARCHAR(08) REFERENCES PROFESSOR (NET_ID) NOT NULL,  
CONSTRAINT PK_ADVISE PRIMARY KEY ( STUDENT_ID, PROFESSOR_NETID)  
);
```

```
CREATE TABLE CHAIRMAN(PROFESSOR_NETID VARCHAR(08) REFERENCES PROFESSOR (NET_ID) NOT NULL,  
DEPT_CODE VARCHAR(08) REFERENCES DEPT(DEPT_CODE) NOT NULL,  
CONSTRAINT PK_CHAIRMAN PRIMARY KEY ( PROFESSOR_NETID, DEPT_CODE)  
);
```