Relation Database Schema:

- Instructor (<u>Ssn</u>, name, Salary, ssn_inves, Dname, Dhead)
  FK: ssn_inves references Investigator(Ssn)   FK: Dname references Department(Dname)

- Department (<u>Dname</u>, Ccode)
  FK: Ccode references Course(Ccode)

- Course (<u>Ccode</u>, cname, ECTS, Number_of_hour, Super_code)
  FK: super_code references Course(Ccode)

- Undergraduate_curriculum (<u>Ccode</u>)
  FK: Ccode references Course(Ccode)

- Graduate_curriculum (<u>Ccode</u>)
  FK: Ccode references Course(Ccode)

- Section (<u>Name</u>, Quota, Time_slot, Ccode, ssn_inst)
  FK: Ccode references Course(Ccode)   FK: ssn_inst references Instructor(Ssn)

- Student (<u>Ssn</u>, <u>Sid</u>, Name, Department_name, ssn_inst, weekly_schedule)
  FK: ssn_inst references Instructor(Ssn)

- Undergraduate (<u>Sid,</u> Ccode)
  FK: Ccode references Course(Ccode)

- Graduate (<u>Sid,</u> Ccode)
  FK: Ccode references Course(Ccode)

- Graduate_previousDegre (College, Degree, Year, <u>Sid, sid_graduate,</u> ssn_inst)
  FK:Sid references Student(Sid)   FK: ssn_inst references Instructor(Ssn)

- Letter_grades (Midterms, Final, Project, Name, ssn_inst)
  FK: Name references section(Name)   FK: ssn_inst references Instructor(Ssn)

- Investigator (<u>Ssn</u>)

- People (Ssn_inves)
  FK: ssn_inves references Investigator(Ssn)

- Responsibility (<u>Projects, Exams, Name</u>)
  FK: name references Section(Name)

- Research_project (Budget, Subject, <u>Pname, Ssn</u>)

FK: Ssn references Investigator(Ssn)

- Take(Ssn_student, Ccode)
  FK: ssn_student references Student(Ssn)   FK: Ccode references Course(Ccode)

- Take (Ssn_student,Secname)
  FK: ssn_student references Student(Ssn)   FK: Secname references Section(name)

- Instructor_rank (ssn, rankSsn, rank, Assistant, Associate, Adjuct, Research, Visiting)
  FK:ssn references Instructor(ssn)

- Student_mail (e-mail, ssn_student)
  FK: ssn_student references Student(Ssn)

- Research_date (Pname,Res_date, start date ,end date)
  FK: Pname references Research_project(Pname)

- Payment (Base_salaryFlag, ExtraFlag, more tahn 10 hours, Supervising, ssn_inst)
  FK: ssn_inst references Instructor(Ssn)

- Different_semester (secName)
  FK:secName references Section(name)

- Same_semester (secName)
  FK:secName references Section(name)

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