

ICOM 5016 – Introduction to Database Systems

University Schema

- Students(sid : integer, sfname : char(10), slame : char(20), sage : integer, sgpa : float, scity: char(3));
 - SQL - create table student (sid bigserial primary key, sfname varchar(20), slame varchar(20), sage integer, sgpa float, scity varchar(5));
- Course (cid : integer, ccode: char(8), cname: char(20), ccredits : integer)
 - SQL - create table course (cid bigserial primary key, ccode char(8) not null, cname varchar(100), ccredit integer);
- Section (secid: integer, cid: integer, cterm: char(10), cyear: char(4))
 - SQL - create table section (secid bigserial primary key, cid bigint, cterm varchar(10), cyear char(4), foreign key (cid) references course)
- Takes (sid: integer, secid: integer, cgrade: char(2))
 - SQL - create table Takes (sid bigint, secid bigint, cgrade char(2), primary key (sid, secid), foreign key (sid) references student, foreign key (secid) references section)
- Professor (pid: integer, pfname: char(10), plname char(20), srnk: char(10), psalary: float);
 - SQL - create table professor (pid bigserial primary key, pfname varchar(10), plname varchar(20), srnk varchar(10), psalary float);
- Teaches (pid: integer, secid: integer)
 - SQL - create table teaches(pid bigint, secid bigint, primary key(pid, secid), foreign key (pid) references professor, foreign key (secid) references section);