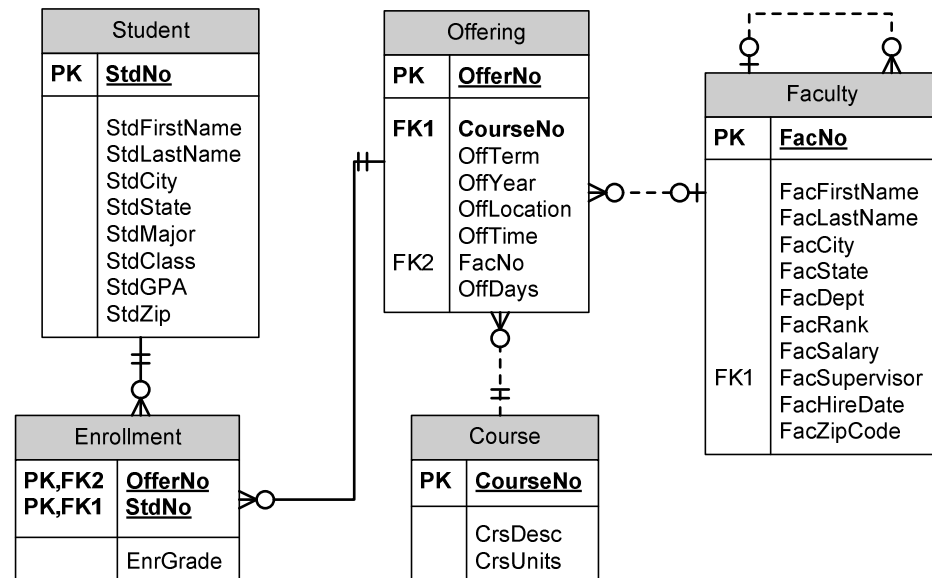# University Database

```
CREATE TABLE Faculty (
FacNo          CHAR(11)      NOT NULL,
FacFirstName   VARCHAR(30)   NOT NULL,
FacLastName    VARCHAR(30)   NOT NULL,
FacCity        VARCHAR(30)   NOT NULL,
FacState       CHAR(2)       NOT NULL,
FacDept        CHAR(6)       NULL,
FacRank        CHAR(4)       NULL,
FacSalary      DECIMAL(10,2) NULL,
FacSupervisor  CHAR(11)      NULL,
FacHireDate    DATETIME      NULL,
FacZipCode     CHAR(10)      NOT NULL,
CONSTRAINT FacultyPK PRIMARY KEY (FacNo),
CONSTRAINT SupervisorFK FOREIGN KEY (FacSupervisor)
                REFERENCES Faculty )

CREATE TABLE Offering (
OfferNo        INTEGER       NOT NULL,
CourseNo       CHAR(6)       NOT NULL,
OffTerm        CHAR(6)       NOT NULL,
OffYear        INTEGER       NOT NULL,
OffLocation    VARCHAR(30)   NULL,
OffTime        VARCHAR(10)   NULL,
FacNo          CHAR(11)      NULL,
OffDays        CHAR(4)       NULL,
CONSTRAINT OfferingPK PRIMARY KEY (OfferNo),
CONSTRAINT CourseFK FOREIGN KEY (CourseNo)
                REFERENCES Course,
CONSTRAINT FacultyFK FOREIGN KEY (FacNo)
                REFERENCES Faculty )

CREATE TABLE Student (
StdNo          CHAR(11)      NOT NULL,
StdFirstName   VARCHAR(30)   NOT NULL,
StdLastName    VARCHAR(30)   NOT NULL,
StdCity        VARCHAR(30)   NOT NULL,
StdState       CHAR(2)       NOT NULL,
StdZip         CHAR(10)      NOT NULL,
StdMajor       CHAR(6)       NULL,
StdClass       CHAR(2)       NULL,
StdGPA         DECIMAL(3,2)  NULL,
CONSTRAINT StudentPk PRIMARY KEY (StdNo) )
```

```
CREATE TABLE Course (
CourseNo       CHAR(6)       NOT NULL,
CrsDesc        VARCHAR(50)   NOT NULL,
CrsUnits       INTEGER       NULL,
CONSTRAINT CoursePK PRIMARY KEY (CourseNo) )

CREATE TABLE Enrollment (
OfferNo        INTEGER       NOT NULL,
StdNo          CHAR(11)      NOT NULL,
EnrGrade       DECIMAL(3,2)  NULL,
CONSTRAINT EnrollmentPK PRIMARY KEY (OfferNo, StdNo),
CONSTRAINT OfferingFK FOREIGN KEY (OfferNo)
                REFERENCES Offering
                ON DELETE CASCADE
                ON UPDATE CASCADE,
CONSTRAINT StudentFK FOREIGN KEY (StdNo)
                REFERENCES Student
                ON DELETE CASCADE
                ON UPDATE CASCADE )
```

Faculty Table

FacNo	FacFirstName	FacLastName	FacCity	FacState	FacDept	FacRank	FacSalary	FacSupervisor	FacHireDate	FacZipCode
098765432	LEONARD	VINCE	SEATTLE	WA	MS	ASST	35000.00	654321098	1997-04-10	98111-9921
543210987	VICTORIA	EMMANUEL	BOTHELL	WA	MS	PROF	120000.00		1998-04-15	98011-2242
654321098	LEONARD	FIBON	SEATTLE	WA	MS	ASSC	70000.00	543210987	1996-05-01	98121-0094
765432109	NICKI	MACON	BELLEVUE	WA	FIN	PROF	65000.00		1999-04-11	98015-9945
876543210	CRISTOPHER	COLAN	SEATTLE	WA	MS	ASST	40000.00	654321098	2001-03-01	98114-1332
987654321	JULIA	MILLS	SEATTLE	WA	FIN	ASSC	75000.00	765432109	2002-03-15	98114-9954

Course Table

CourseNo	crsDesc	CrsUnits
FIN300	FUNDAMENTALS OF FINANCE	4
FIN450	PRINCIPLES OF INVESTMENTS	4
FIN480	CORPORATE FINANCE	4
IS320	FUNDAMENTALS OF BUSINESS PROGRAMMING	4
IS460	SYSTEMS ANALYSIS	4
IS470	BUSINESS DATA COMMUNICATIONS	4
IS480	FUNDAMENTALS OF DATABASE MANAGEMENT	4

Offering Table

OfferNo	CourseNo	OffTerm	OffYear	OffLocation	OffTime	FacNo	OffDays
1111	IS320	SUMMER	2010	BLM302	10:30 AM		MW
1234	IS320	FALL	2009	BLM302	10:30 AM	098765432	MW
2222	IS460	SUMMER	2009	BLM412	1:30 PM		TTH
3333	IS320	SPRING	2010	BLM214	8:30 AM	098765432	MW
4321	IS320	FALL	2009	BLM214	3:30 PM	098765432	TTH
4444	IS320	WINTER	2010	BLM302	3:30 PM	543210987	TTH
5555	FIN300	WINTER	2010	BLM207	8:30 AM	765432109	MW
5678	IS480	WINTER	2010	BLM302	10:30 AM	987654321	MW
5679	IS480	SPRING	2010	BLM412	3:30 PM	876543210	TTH
6666	FIN450	WINTER	2010	BLM212	10:30 AM	987654321	TTH
7777	FIN480	SPRING	2010	BLM305	1:30 PM	765432109	MW
8888	IS320	SUMMER	2010	BLM405	1:30 PM	654321098	MW
9876	IS460	SPRING	2010	BLM307	1:30 PM	654321098	TTH

Student Table

StdNo	StdFirstName	StdLastName	StdCity	StdState	StdZip	StdMajor	StdClass	StdGPA
123456789	HOMER	WELLS	SEATTLE	WA	98121-1111	IS	FR	3.00
124567890	BOB	NORBERT	BOTHELL	WA	98011-2121	FIN	JR	2.70
234567890	CANDY	KENDALL	TACOMA	WA	99042-3321	ACCT	JR	3.50
345678901	WALLY	KENDALL	SEATTLE	WA	98123-1141	IS	SR	2.80
456789012	JOE	ESTRADA	SEATTLE	WA	98121-2333	FIN	SR	3.20
567890123	MARIAH	DODGE	SEATTLE	WA	98114-0021	IS	JR	3.60
678901234	TESS	DODGE	REDMOND	WA	98116-2344	ACCT	SO	3.30
789012345	ROBERTO	MORALES	SEATTLE	WA	98121-2212	FIN	JR	2.50
876543210	CRISTOPHER	COLAN	SEATTLE	WA	98114-1332	IS	SR	4.00
890123456	LUKE	BRAZZI	SEATTLE	WA	98116-0021	IS	SR	2.20
901234567	WILLIAM	PILGRIM	BOTHELL	WA	98113-1885	IS	SO	3.80

Enrollment Table

OfferNo	StdNo	EnrGrade
1234	123456789	3.30
1234	234567890	3.50
1234	345678901	3.20
1234	456789012	3.10
1234	567890123	3.80
1234	678901234	3.40
4321	123456789	3.50
4321	124567890	3.20
4321	789012345	3.50
4321	876543210	3.10
4321	890123456	3.40
4321	901234567	3.10
5555	123456789	3.20
5555	124567890	2.70
5678	123456789	3.20
5678	234567890	2.80
5678	345678901	3.30
5678	456789012	3.40
5678	567890123	2.60
5679	123456789	2.00
5679	124567890	3.70
5679	678901234	3.30
5679	789012345	3.80
5679	890123456	2.90
5679	901234567	3.10
6666	234567890	3.10
6666	567890123	3.60
7777	876543210	3.40
7777	890123456	3.70
7777	901234567	3.40
9876	124567890	3.50
9876	234567890	3.20
9876	345678901	3.20
9876	456789012	3.40
9876	567890123	2.60
9876	678901234	3.30
9876	901234567	4.00

These are partial, not complete, lists of records of tables.