

# Assignment 2 L<sup>A</sup>T<sub>E</sub>X Document

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## 1 Class Schema tables

### 1.1 The department table

Contains the departments at the university.

**department**(dcode, dname)

### 1.2 The student table

The student table contains information about the students at the university.

*sex* is either 'M' or 'F'

*yearofstudy* is one of {1, 2, 3, 4, 5}

**student**(sid, slastname, sfirstname, sex, age, dcode, yearofstudy)

### 1.3 The instructor table

The instructor table contains information about the instructors at the university.

*idegree* can be one of {"PHD", "MSC", "BSC"}

*iid* can only be associated with one department.

**instructor**(iid, ilastname, ifirstname, idegree, dcode)

### 1.4 The course table

The course table contains the courses offered at the university.

**course**(cid, dcode, cname)

## 1.5 The courseSection table

The courseSection table contains the sections that are offered for courses at the university.  
*semester* values are integers {'9', fall), ('1', winter), ('5' summer)}

*section* example is "L0101"

**all attributes are unique except iid**

**courseSection**(csid, cid, dcode, year, semester, section, iid)

## 1.6 The studentCourse table

The studentCourse table contains the courses a student has enrolled in, and their grade.  
*grade* is from 0 to 100 (-1 by default).

**studentCourse**(sid, csid, grade)

## 1.7 The prerequisites table

The prerequisites table contains all of the prerequisites for each course.

**prerequisites**(cid,dcode, pcid, pdcode)

## 2 All Tables

**department**( dcode, dname)

**student**(sid, slastname, sfirstname, sex, age, dcode, yearofstudy)

**instructor**(iid, ilastname, ifirstname, idegree, dcode)

**course**(cid, dcode, cname)

**courseSection**(csid, cid, dcode, year, semester, section, iid)

**studentCourse**(sid, csid, grade)

**prerequisites**(cid,dcode, pcid, pdcode)