**Problem statement**

A University currently has a manual system of assigning students and professors to courses (they use paper and pen). They intend to transition to a more automated approach in the form of a web application that allows students to choose their courses. Create the underlying database tables for this web application. Here are the constraints below: In a university, a Student enrolls in Courses. A student must be assigned to at least one or more Courses. Each course is taught by a single Professor. To maintain instruction quality, a Professor can deliver only one course.

**Entities**

* Student: RegNo, Name, Program
* Course: CourseCode, CourseName,
* Professor: ProfNo, Name

**Relationships**

* StuEnrolls (Students, Courses) M:N, mandatory
* ~~StuAssigned (Student, Courses) 1:N, oblig on student~~
* Taught (Course, Professor) 1:1, mandatory on both
* Deliver (Course, Professor) 1:1, mandatory on both

ERD\_diagram to represent database modelling

TaughtBy

Course

Professor

Students

TakenBy

Assigned\_To

*Linker Entity:*   
EnrolledCourse