# Updated E-R diagram



**Student *(StudentId, FirstName, LastName, Registered)***

**Staff *(StaffNo, FirstName, LastName)***

**Course *(CourseCode, Title, Credit, Quota)***

**Enrolment *(StudentId, CourseCode, StaffNo)***

**AssessmentGrade *(StudentId, CourseCode, AssessmentNo, Grade)***

**The underlined attributes are the Primary Keys. The Foreign Keys are shown in bold, italic text.**

**Note that we have created a new entity (Enrolment) to model the many-to-many (m:n) relationship between an instance of Student and an instance of Course. It also provides a convenient method of modelling the relationship between Student, Course, and AssessmentGrade.**

**domains**

*IdentifiersOfStudents = s01 .. s99*

*PersonNames = string*

*Years = 2000 .. 2016*

*IdentifiersOfStaff = t01 .. t99*

*CodesOfCourses = c01 .. c99*

*TitlesOfCourses = string*

*CourseQuotas = 00 .. 30*

*NumbersOfAssessment = a01 .. a05*

*AssessmentGrade = 00 .. 100*

**Constraints**

**Students may not enrol for more than three credit’s worth of courses at any one time.**

**The attribute Credit (of Courses) may take a value of 0.5 or 1.0.**

**The attribute Grade (of AssessmentGrade) has a value that is a mark out of 100.**

**Assumptions**

**Only current enrolments are recorded.**