Class Diagram Tutorial 1

University Case Study

Each department can have several Courses. Each course will have one or more course levels (years of the course). A course level will only belong to one course.

A course level can have a number of modules, but that module can only belong to one course level.

New students are enrolled onto their course, they are enrolled onto the level of the course and they are also enrolled onto each module they will be studying at that course level. Returning students are enrolled onto the level of the course they are studying and the modules they are studying at that course level.

Lecturers are assigned as module tutors. Usually there are 2 lecturers assigned to a module, but some modules only have 1 lecture assigned while others have more than 2 assigned. They are responsible for the administration of the module. (We are ignoring timetabling for this case study as it is an extremely complex system).

Each department retains some information on the staff employed in that department. Staff are either lecturers or administrators (For simplicity, ignore line management responsibilities here). An administrator is responsible for one or more courses but a course is the responsibility of only one administrator. Lecturers are also assigned as course leaders. A lecturer can be responsible for more than one course but a course is the responsibility of only one lecturer.