Design the entity-relationship (E/R) diagram of a database for the secretary of a University, which contains information about students, teachers, subjects and degrees offered. It must be taken into account that:

A student is normally enrolled in one grade, although he or she may be enrolled in more than one. The grades, to be considered as such, will have at least one student.

A student can be enrolled in many subjects, at least one. A student enrolled in one grade could take subjects that belong to another grade.

Each subject belongs to a single grade (although there may be subjects from different grades with the same name, for example, Mathematics). The subjects have a name, an identifier, the type and the number of credits.

A degree has many subjects. Each grade has an identifier and a name.

Each subject can be taught by one or two teachers. When there are two teachers, one is the head teacher and the other is the support teacher. When there is a teacher, this is the owner.

A teacher can teach a maximum of 4 different subjects. There may be teachers who do not teach subjects since they perform other functions.

There may be elective subjects that no student takes.

You want to have access to the following information:

Subjects in which a student is enrolled.

Subjects of a degree.

Grades of a student in each subject taken.

Teachers of a subject.

Subjects taught by a teacher. Students enrolled in a degree.