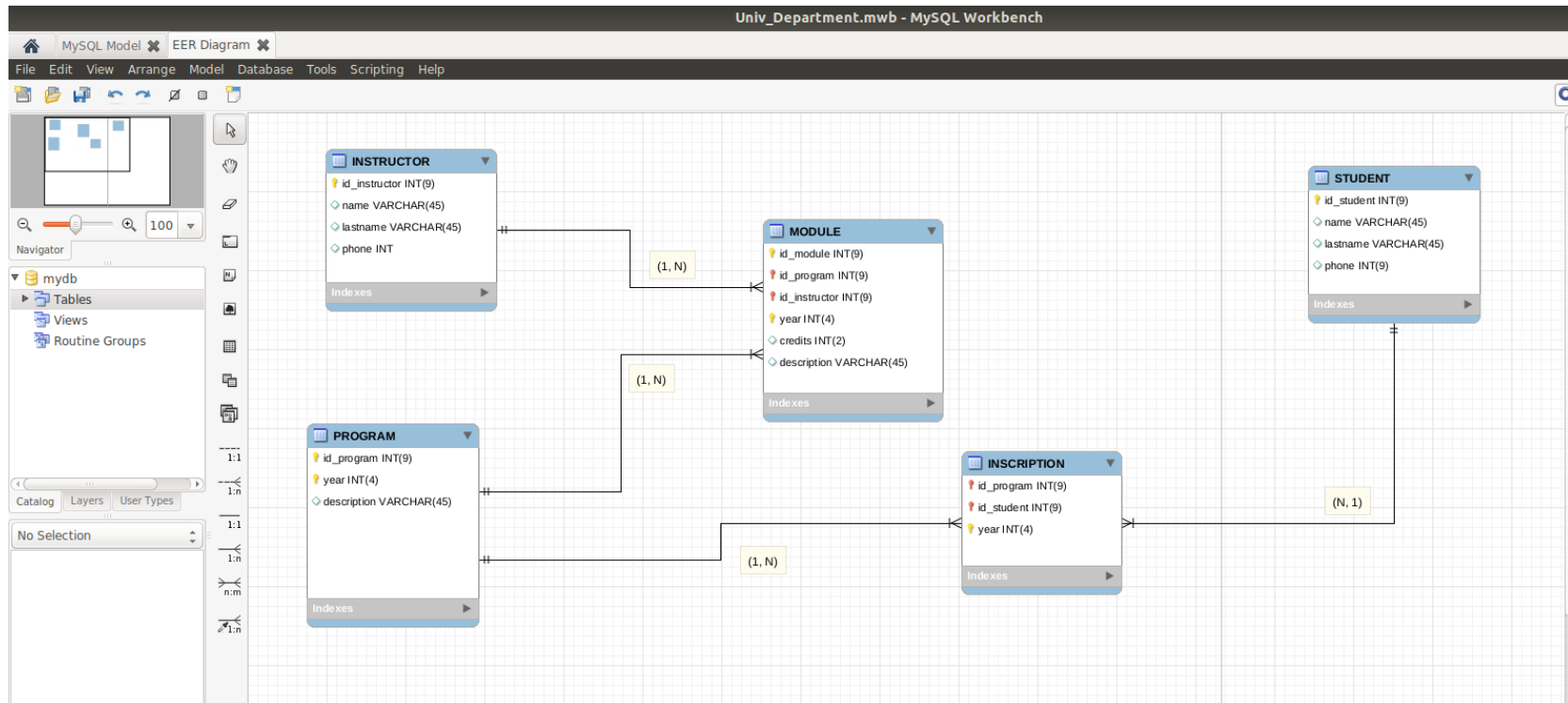## ERR-Diagram

ERR-Diagram details:

INSTRUCTOR table:
id_instructor (PK) ➔ Not allow repeated instructors.

PROGRAM table:
id_program + year (PK) ➔ Only 1 id_program per year allow.

STUDENT table:
id_student (PK) ➔ Not allow repeated students.

INSCRIPTIONS table:
Id_program + id_student + year (PK)   ➔ Allow 1 student in 1 program in different years.
                                        ➔ Not allow 1 student in same program in same year.
                                        ➔ Allow 1 student, different programs in same year.

id_program (FK) ➔ Comes from PROGRAM table.
id_student (FK) ➔ Comes from STUDENT table.

This structure and relationships makes possible:
        "Students will be able to enroll in more than one program, but not in the same year"
        " Finally, it should be possible to query the database to find out which students have ever taken a module with a given instructor. "

MODULE table:

id_module + id_instructor + id_program + year (PK)
                        ➔ 1 Module can be taught by only 1 instructor every year into 1 program.

id_program (FK) ➔ Comes from PROGRAM table.

id_instructor(FK) ➔ Comes from INSTRUCTOR table and it allows to get instructor name linked to that module.

This structure and relationships makes possible:
        " Each module is taught by an instructor within an academic year, within a program"
        " For each module it should be possible to retrieve the name of the instructor and the number of credits associated with it"