# Database Schema

## Entities

Course(code, credit, classification, name, maxStudents (or null), department)
department -> Department.name

Department(name, abbreviation)

FinishedCourse(code, grade)
code -> Course.code

Branch(name, programme)
programme -> Programme.name

Student(ID, name, totalCredit)

Programme(name, abbreviation)

## Relationships

prerequisite(course, requiredCourse)
course -> Course.code
requiredCourse -> Course.code

registeredOn(student, course)
student -> Student.id
course -> Course.code

hasFinished(student, course)
student -> Student.id
course -> Course.code

studiesProgram(student, programme)
student -> Student.ID
programme -> Programme.name

hostedBy(programme, department)
programme - > programme.name
department -> department.abbreviation

hasMandatory(branch, programme, course)
branch -> Branch.name
programme -> Programme.name
course -> Course.code

hasRecommended(branch, programme, course)
branch -> Branch.name
programme -> Programme.name
course -> Course.code

studiesBranch(student, branch (or null), programme)
student -> Student.ID
branch -> Branch.name
programme -> Programme.name

givenBy(course, department)
course -> Course.code
department -> Department.abbreviation