

# DATABASE SCHEMA

## ENTITIES

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

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

RestrictedCourse(code, maxStudents)  
code -> Course.code

Department(name, abbreviation)

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

isOnWaitingList(student, course, dateRegistered)

student -> Student.ID

restrictedCourse -> RestrictedCourse.Code