

# Labb 2 final schema

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Programs(name, abbreviation)

Students(idnr, name, login)  
login unique

StudentPrograms(student, program)  
students-> Students.idnr  
program-> Programs.name

StudentBranches(student, branch)  
Student -> Students.idnr

Departments(name, abbreviation)  
abbreviation unique

Courses(code, name, credits, capacity)

DepartmentCourses(code, department)  
code -> Courses.code  
department-> Departments.name

StudentCourseInformation(student, course, position, grade)  
student-> Students.idnr  
course-> Courses.code  
Grade  $\in \{U, 3, 4, 5\}$

RegisteredForCourse(student, course)  
student-> Students.idnr  
course-> Courses.code

Classification(course, classification)  
course-> Courses.code

# ER-schema

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Departments(name, abbreviation)

COwnedBy(course, department)  
course->Courses.code  
department->Departments.name

Programs(name, abbreviation)

POwnedBy(program, department)  
program->Program.name  
department->Departments.name

Branches(name, program)  
program->Programs.name

Students(idnr, name, login)

StudentPrograms(student, program)  
students->Students.idnr  
program->Programs.name

StudentBranches(student, branch)  
Student -> Students.idnr

Courses(code, name, credits)

RestrictedCourses(course)  
course->Courses.code

StudentCourseInformation(student, course, position, grade)  
student->Students.idnr  
course->Courses.code

RegisteredForCourse(student, course)  
student->Students.idnr  
course->Courses.code

Classifications(classification)

ClassifiedCourses(classification, course)  
course->Courses.code  
classification->Classification.classification

LimitedCourses(course, capacity)  
course->Courses.code

ProgramMandatory(course, program)  
course->Courses.code  
program->Programs.name

Recommended(course, branch, program)

course-> Courses.code

program->Programs.name

branch-> Branches.name

BranchMandatory(course, branch, program)

course-> Courses.code

program->Programs.name

branch-> Branches.name

StudentGrades(student, course, grade)

student-> Students.idnr

course-> Courses.code

StudentOnWaitinglist(student, course, position)

student-> Students.idnr

course-> LimitedCourses.code