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classDiagram
    class TEACHER {
        -assign: Assignment
        +Teacher(name: String)
        +getStudents(slot: int): List<Student>
        +getClass(slot: int): Class
    }
    class PERSON {
        -name: String
        +Person(u: String)
    }
    class CLASSMATHS {
        -code: String
        -lectures: List<Lecture>
        +Class(s: String, l: List<Lecture>)
        +getTeacher(slot: int): Teacher
        +getStudents(slot: int): List<Student>
    }
    class COURSE {
        -name: String
        -lecture: List<Lecture>
        +Course(s: String)
        +addLecture(l: Lecture)
    }
    class STUDENT {
        -name: String
        -enroll: Enrollment
        +Student(name: String, id: int)
        +getClass(slot: int): Class
        +getTeacher(c: Course, type: int): Teacher
    }
    class ASSIGNMENTS {
        -teacher: Teacher
        -lecture: Lecture
        +Assignment(t: Teacher, l: Lecture)
        +addLecture(l: Lecture)
    }
    class LECTURE {
        -slot: int
        -class: Class
        -type: int
        -teacher: Teacher
        -assignment: Assignment
        -course: Subject
        +Lecture(s: int, c: Class, id: int, course: Course)
        +getSlot(): int
        +getClass(slot: int): Class
        +getTeacher(slot: int): Teacher
        +getStudents(slot: int): List<Student>
        +getType(): int
        +setAssignment(a: Assignment)
        +setStudents(s: List<Student>)
    }
    class UNIVERSITY {
        -courses: List<Course>
        -students: List<Student>
        -teachers: List<Teacher>
        -classes: int < class >
        +University()
        +studentOfTeacher(t: Teacher, slot: int): List<Student>
        +classOfTeacher(t: Teacher, slot: int): Class
        +teacherOfStudent(s: Student, slot: int): Teacher
        +classOfStudent(s: Student, slot: int): Class
        +teacherOfClass(c: Class, slot: int): Teacher
        +studentOfClass(c: Class, slot: int): List<Student>
    }
    class ENROLLMENT {
        -student: Student
        -lecture: Lecture
        +Enrollment(f: Student, l: List<Lecture>)
        +getStudent(): Student
        +getClass(slot: int): Class
        +getTeacher(type: int, c: Course): Teacher
    }

    TEACHER "1" -- "*" PERSON
    TEACHER "1" -- "*" CLASSMATHS
    TEACHER "1" -- "*" COURSE
    TEACHER "1" -- "*" STUDENT
    TEACHER "1" -- "*" ASSIGNMENTS
    TEACHER "1" -- "*" LECTURE
    TEACHER "1" -- "*" UNIVERSITY
    TEACHER "1" -- "*" ENROLLMENT
    PERSON "1" -- "*" CLASSMATHS
    PERSON "1" -- "*" COURSE
    PERSON "1" -- "*" STUDENT
    PERSON "1" -- "*" LECTURE
    PERSON "1" -- "*" UNIVERSITY
    PERSON "1" -- "*" ENROLLMENT
    CLASSMATHS "1" -- "*" COURSE
    CLASSMATHS "1" -- "*" STUDENT
    CLASSMATHS "1" -- "*" LECTURE
    CLASSMATHS "1" -- "*" UNIVERSITY
    CLASSMATHS "1" -- "*" ENROLLMENT
    COURSE "1" -- "*" STUDENT
    COURSE "1" -- "*" LECTURE
    COURSE "1" -- "*" UNIVERSITY
    COURSE "1" -- "*" ENROLLMENT
    STUDENT "1" -- "*" LECTURE
    STUDENT "1" -- "*" UNIVERSITY
    STUDENT "1" -- "*" ENROLLMENT
    ASSIGNMENTS "1" -- "*" LECTURE
    ASSIGNMENTS "1" -- "*" UNIVERSITY
    ASSIGNMENTS "1" -- "*" ENROLLMENT
    LECTURE "1" -- "*" UNIVERSITY
    LECTURE "1" -- "*" ENROLLMENT
    UNIVERSITY "1" -- "*" ENROLLMENT
  
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Relaxation: 3 / 5

Cardinalität: 0'7 / 1

atributo: 1'3 / 1'5

Métodos: 1'5 / 1'5

Tipus: 0'5 / 0'5

Viabilitat: 0'5 / 0'5