

## Course

+ Course(String, String, String, int, byte, int, int, String):

- courseName: String
- courseCode: String
- courseCredit: int
- courseType: String
- preRequisiteCourses: List<Course>
- hour: int
- day: String
- numberOfStudents: int
- lecturer: Lecturer
- laboratorySections: List<LaboratorySection>

- + hasCapacity(): boolean
- + semester(): byte
- + addPreRequisiteCourse(Course): void

courseType: String  
hour: int  
courseCode: String  
courseName: String  
courseCredit: int  
numberOfStudents: int  
day: String  
preRequisiteCourses: List<Course>  
lecturer: Lecturer  
laboratorySections: List<LaboratorySection>