UNIT DESCRIPTIONS

COURSES SUBSYSTEM

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| **Class Course** |
| Description: Course will provide the system the courses available for the student |
| Attributes:   * id: int * name: String * credits: double * description: String * faculty: Faculty * requisites: Course List |
| Methods:   * getname(): String   Returns a string of the name of the course   * getFaculty(): int   Returns an integer of the faculty of the course   * getCredits(): double   Returns a double of the credits of the course   * getRequisites(): Course List   Returns a Course List of the requisites of a given course |

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| Class Faculty |
| Description: Faculty provides the names of faculties in courses |
| Attributes:   * id: int * name: String |
| Methods:   * **N/A** |

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| Class ScheduledCourse |
| Description: ScheduledCourse is a general class that provides courses well scheduled in the system for students to choose from |
| Attributes:   * id: int * sessionID: int * course: Course |
| Methods:   * **N/A** |

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| **Class TimeSlot** |
| Description: A more specific class that is able to schedule courses |
| Attributes:   * id: int * scheduledCourse: ScheduledCourse * room: String * timeStart: Date * timeEnd: Date * dayOfWeekID: int * courseTypeID: int |
| Methods:   * getScheduledCouseID(): int   Returns an integer of a Schedule Course for its identification   * getCourseInfo(course: Courses): void   Returns a void in which its parameters is course, where it provides a list of information about the course   * isFull(): Boolean   Returns a Boolean to specify if the course is full or not   * addStudent(student: Student)   Adds a student in the selected course, using a parameter student   * addSection(room: String, timeStart:Date, timeEnd:Date, dayOfWeekID:int)   Adds a desired section of the course, by providing the room, the time start, the time end and the day of the week |