

## Course

```
-department: String
-code: String
-courseID: String
-description: String
-maxStudents: int
-minStudents: int
-sessions: ArrayList<Sessions>

+Course(dep: String, c: String, des: String, max: int, min: int)
+addSession(s: Session)
+cancelSession()
+getDepartment(): String
+getCode(): String
+getCourseID(): String
+getDescription(): String
+getMaxStudents(): int
+getMinStudents(): int
+getSessions(): ArrayList<Session>
+printInfo(): String
+printSessions(): String
```

## Session

```
-course: Course
-sessionID: String
-professor: Faculty
-profAssigned: Boolean
-enrolledStudents: ArrayList<Student>

+Session(c: Course)
+setID(id: String)
+assignProf(f: Faculty)
+addStudent(s: Student)
+enoughSpace(): boolean
+cancel(): Boolean
+getProfessor(): Faculty
+getCourse(): Course
+getSessionID(): String
+getNumStudents(): int
+getEnrolledStudents(): ArrayList<Student>
+printInfo(): String
+printProfInfo(): String
+printStudentInfo(): String
```

## Person

-firstName: String  
-middleName: String  
-lastName: String  
-email: String  
-telephoneNumbers: String  
-streetAddress: String  
-city: String  
-state: String  
-zipCode: int  
-uniqueID: String

+Person(first: String, middle: String, last: String, e: String, number: String, s: String, c: String, st: String, zip: int)

+setID(id: String)  
+getFirstName(): String  
+getMiddleName(): String  
+getLastName(): String  
+getEmail(): String  
+getNumber(): String  
+getStreetAddress(): String  
+getCity(): String  
+getState(): String  
+getZipCode(): int  
+getID(): String  
+printInfo(): String



## Faculty

MAX\_SESSIONS: int  
-hireDate: String  
-hasTenure: Boolean  
-facultySchedule: ArrayList<Session>

+Faculty(numSessions: int, first: String, middle: String, last: String, e: String, number: String, s: String, c: String, st: String, zip: int, date: String, tenure: String)

+addSession(s: Session)  
+cancelFacultySession()  
+getMaxSessions(): int  
+getHireDate(): String  
+getTenure(): Boolean  
+getSchedule(): ArrayList<Session>  
+printInfo(): String



## Student

MAX\_SESSIONS: int  
-dateOfBirth: String  
-gpa: String  
-startDate: String  
-desiredCourses: String[]  
-studentSchedule: ArrayList<Session>

+Student(first: String, middle: String, last: String, e: String, number: String, s: String, c: String, st: String, zip: int, dob: String, GPA: String, date: String)

+addCourse(i: int, c: String)  
+addSession(s: Session)  
+cancelStudentSession()  
+getMaxSessions(): int  
+getDOB(): String  
+getGPA(): String

```
+getStartDate(): String  
+getSessionCount(): int  
+getDesiredCourses(): String[]  
+getSchedule(): ArrayList<Session>  
+printInfo(): String  
+printScheduleInfo(): String
```