

Course registration system

- The system should allow users to browse through the course catalog
- The system should allow us to search for courses in the course catalog
- For every course we need to record its name, a description, the goal of the course, one or more prerequisite courses, number of days and the price of the course.
- Courses are given a few times per year
- A course starts at a certain date.
- Students can subscribe to one or more courses.
- The system should record the student name, phone, email and street, city and zip of the student.
- A course takes at least one day, but can take any number of days
- Courses can be given on consecutive days, but courses can also be given on non-consecutive days. For example a 4 day course can be given on 4 Mondays in September.
- A course can be given by one instructor, but every single day can also be given by different instructors. For example, the first 2 days of a 4day course is taught by Bob and the last 2 days are taught by Mary.
- The system should record the instructors name, phone, email and street, city and zip of the instructor.
- A course can be given at one location, but every single day can also be given at a different location. For example, the first 2 days of a 4day course is given at a different location as the last 2 days.
- The system should record the locations name and street, city and zip of the location.
- The system should record all important information about a certain course:
 - Dates that this course is given
 - Instructor(s) for the different course dates
 - Location of the different course dates

Domain model

