

Assignment 6

University

Model

Due 11:59PM ET on Mar 12



Assignment Topic

The main goal of this assignment is to recreate the teaching process for Spring 2023 semester for three programs of the Northeastern University College of Engineering:

1. Information Systems (INFO)

2. Data Architecture and Management (DAMG)

3. Software Engineering Systems (CSYE)

Part 1 – Populating the model

Populate the existing model and create the following objects:

- One college
- Three programs (same as Department).
- Three courses per program.
- One faculty for each course.
- Ten students in each program.

Implement any classes, methods as needed.

Part 2 – Populating the model (cont.)

- Create a course schedule for Spring 2023 semester
- Create course offerings for each course for the semester
- Register students for the courses
- Assign teachers (faculty) to their classes

Implement any classes, methods as needed.

Part 3 – Calculating Revenue

- Implement a method to calculate Department revenue (or use one if exists)
- Implement a method to calculate College revenue and print out revenues for each department as well as the college.

Implement any classes, methods as needed.