

Syllabus

Course Objectives

CMSC 455 is a course on back end development for web and mobile applications.

Course Topics

We will be studying a variety of standard topics in back end development using the Spring Boot framework:

- Database design
- Designing REST APIs
- Object-Relational Mapping
- Authentication and Security
- Deployment
- Microservices Architecture

Text

Our text is *Spring Boot 3 and Spring Framework 6*, by Christian Ullenboom.

Web Site

The course web site is located at <http://www.lawrence.edu/fast/greggj/cmsc455.html>

I will be posting lecture notes for each lecture on the course web site

Grading Policy

Your grade will be based on two midterm exams, programming assignments, and a final exam according to the following weightings.

Programming assignments	60%
Midterm exams	10% each
Final exam	20%

The late policy for this course is that you are allowed to turn in homework late for a late penalty. The late penalty is 5% off for each day the work is late, with a maximum late penalty of 25% off.

Office Hours

My office hours this term are 1-3 MWF and 2-4 TTh.