

## Webdev Project P3 Wiki

API: The API we are using is the SearchNEU which allows us to query northeastern courses and details about those courses. Documentation can be found at:

<https://github.com/ryanhugh/searchneu/blob/master/docs/API.md>.

Search Criteria: With the prototype a user can select the term which the courses are in (ex: fall 2020 or summer 1 2020) and a user can select a subject that the courses fall under (ex: CS, BIOL), these two search criteria allows the prototype to display a list of relevant courses which the user can select from.

Summary results:

Upon searching for courses the users are presented a table of courses for that subject and for that term. Displayed on the table is the course code, the title, their enrollment status and a details button which links to the details page.

Detailed results:

Upon clicking the details button a new details page is opened. The details page displays course information in cards. The first card that displays the course description. There are also cards which display information related to each individual section of the course. A card that describes the section includes the sections Professor, lecture times, days that the lectures take place, and location of the lecture, a section card also displays an enroll button which has no functionality for the prototype.

Link: <https://neustudy.herokuapp.com/search/>

Example Queries:

After selecting CS as the subject and Summer 2 2020 as the term, these were the results:

Study Group

Search Courses

Course Details

Profile

Sign In/Log Out

Sign Up

### Course Search

Select Subject: CS

Select Term: Summer 1 2020

SUBMIT

Course	Title	Enrollment	
CS1101	Lab for CS 1100	Not Enrolled	DETAILS
CS1802	Seminar for CS 1800	Not Enrolled	DETAILS
CS3001	Recitation for CS 3000	Not Enrolled	DETAILS
CS4950	Computer Science Research Seminar	Not Enrolled	DETAILS
CS5180	Reinforcement Learning and Sequential Decision Making	Not Enrolled	DETAILS
CS5335	Robotic Science and Systems	Not Enrolled	DETAILS

After selecting MATH as the subject and Summer 1 2020 as the term these were the results:

[Study Group](#) [Search Courses](#) [Profile](#) [Sign In/Log Out](#) [Sign Up](#)

## Course Search

Select Subject: 

MATH

 Select Term: 

Summer 1 2020

SUBMIT

Course	Title	Enrollment	
MATH2321	Calculus 3 for Science and Engineering	Not Enrolled	<div>DETAILS</div>
MATH4555	Complex Variables	Not Enrolled	<div>DETAILS</div>
MATH9990	Dissertation Term 1	Not Enrolled	<div>DETAILS</div>
MATH3081	Probability and Statistics	Not Enrolled	<div>DETAILS</div>
MATH9984	Research	Not Enrolled	<div>DETAILS</div>
MATH1215	Mathematical Thinking	Not Enrolled	<div>DETAILS</div>

After clicking the details button for CS3200 the following details page shows:

[Study Group](#) [Search Courses](#) [Course Details](#) [Profile](#) [Sign In/Log Out](#) [Sign Up](#)

### Database Design

Studies the design of a database for use in a relational database management system. The entity-relationship model and normalization are used in problems. Relational algebra and then the SQL (structured query language) are presented. Advanced topics include triggers, stored procedures, indexing, elementary query optimization, and fundamentals of concurrency and recovery. Students implement a database schema and short application programs on one or more commercial relational database management systems.

#### Sections

CRN 10416

Professor

Location

Enrollment

Jose Annunziato

Richards Hall 458

87

Enroll

CRN 13447

Professor

Location

Enrollment

Nathaniel Derbinsky

Shillman Hall 220

87

Enroll

CRN 14809

Professor

Location

Enrollment

John Rachlin

International Village 019

87

Enroll

CRN 17751

Professor

Location

Enrollment

Wolfgang Gatterbauer

West Village G 106

49

Enroll