**Course Schedule**

**Wednesday, August 26  Introduction to the class**

Learning about the course and its requirements

Gaining information about the tools you need for the course

Working with the command line

Homework: set up your  environments, install the needed programs, get comfortable working in the command line

**Wednesday, September 2: Organizing Data**

Review homework due today.

Learn how to organize data

Homework: Create a new index.html project using this “Getting Started” article as a guide: <https://dexie.org/docs/Tutorial/Getting-started>

**Wednesday, September 9: Content-Agnostic Visual Design**

Review homework due today.

Understand content-agnostic visual design

Homework: Writing assignment

**Wednesday, September 16: The Data Itself**

Covering JSON, XML, CSVs and Yaml

Homework: Expand on the Dexie project from Night 2 - add two more complex data types to your collection

**Wednesday, September 23: Working With the Data**

Introduction to React - rendering JSON data

Homework: Install Create React App from the command line, alter the sample project to render some JSON <https://github.com/facebook/create-react-app>

**Wednesday, September 30: Working with Forms**

Handling user input using HTML forms

Homework: In their React app, add a simple text form and display what the user inputs.

**Wednesday, October 7: Putting It All Together**

Storing user input and retrieving it later

Homework: Work on Project 1

**Wednesday, October 14: Project 1 due: presentations and critiques**

**Wednesday, October 21: Introducing MySQL**

How MySQL is different from what we’ve done so far

Homework: Install MySQL Workbench - get connected to the CMDC database

**Wednesday, October 28: Working with MySQL**

Covering SELECT, INSERT, UPDATE

Homework: Create two tables (posts and comments), INSERT data into the tables

**Wednesday, November 4: Complex Queries**

Covering JOINS, IN, FIND\_IN\_SET

Homework: In the two tables, insert at least 5 posts with 10 comments each, write a single query that can pull in any post by its id and all comments connected to that post

**Wednesday, November 11: Introduction to Node.js**

Working with JS on the server-side - covering writing a RESTful API

Homework: Install Postman - write a small Node.js server endpoint that gets data from a database

**Wednesday, November 18: Interfacing**

Requesting data from the database from the web, sending data from the web to the database

Homework - Have your React app load your posts from your Node.js app and display them

**Wednesday, November 25: Thanksgiving**

**Wednesday, December 2: Studio Time**

**Wednesday, December 9:  Project 2 due**