CSC496/CSC581 Modern Web Applications Using Server-Side Technologies  
Winter (1/3/2022-1/22/2022)

In this course, we will provide training in building web applications using Node.js (with Express, and MongoDB) for the backend and EJS for the front-end user interface. No web programming experience is needed although helpful. For undergraduates, this course counts toward “Complex Systems”.


**Course Outline:**
1. Introduction to HTML/CSS, Node.js, Visual Studio Code, and JavaScript.
2. Installation of Node.js and developer tools.
4. Node.js and Express.js
5. MongoDB for the persistent data storage accessing.
6. REST API development and consumption.

**Format:** Hands-on labs and student projects will be the highlights of the Winter course. Three individual projects will be used for evaluation.

Contact Dr. Yang at cyang@wcupa.edu for more details.