

CS658/790: JavaScript, Node.js & Cloud Computing (Winterim 2019)

Instructor: Mukul Goyal, EMS919, mukul@uwm.edu

Office Hours: By appointment

Text Books:

1. Eloquent JavaScript, 3rd Edition, Marijn Haverbeke, Available online at: <http://eloquentjavascript.net/>
2. Pro MERN Stack: Full Stack Web App Development with Mongo, Express, React and Node, Vasani Subramanian
3. MDN Web Docs, <https://developer.mozilla.org/en-US/>

Objectives:

The objective of this course is to gain a deep understanding of the JavaScript language and gain expertise in developing web applications using Node.js, React and Redux in a cloud-based environment.

This course has three modules:

Module 1: JavaScript

Module 2: Node.JS, Express, React

Module 3: AWS using Docker

Course Format:

This is a fully online course where the instructor will direct the students to online resources and the student's understanding of this material will be evaluated via online quizzes and programming assignments.

Contents:

Selected JavaScript, Node.js, Express, React, Redux, Docker and AWS topics.

Grading: Online Quizzes, Homeworks and Programming Assignments: 100%

Graduate Student (CS790) Requirement:

Students in CS790 version of the course must attempt additional homework/programming assignments as specified by the instructor.

Grading Scale: At the end of the semester, each student's total points will mapped to a letter grade as follows:

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
≥95	≥90	≥85	≥80	≥75	≥71	≥68	≥65	≥60	≥55	≥50	<50

Policies:

Please see the following document regarding various university policies:

<http://www4.uwm.edu/secu/SyllabusLinks.pdf>