**Syllabus for COSC 484.101 & 484.102**
**Web-Based Programming**
**Spring 2023**

**Course Description:**

Introduction to HTML, dynamic HTML, Client-side JavaScript, Asynchronous JavaScript, Node.js, front-end JavaScript frameworks, and other major Web technologies. Design and implementation of Client-side scripting and Server-side processing.

**Staff:**


| | |
|---|---|
| Instructor | Jal Irani |
| Web | https://jalirani.com |
| Email | jirani@towson.edu |
| Office | YR-447 |
| Office Hours | Before in-person lectures 5pm-6pm (in-person),<br>Every Thurs 2pm-2:30pm & Fri 11am-12pm (Zoom),<br>by appt. |
| Office Hours Zoom | https://jhucarey.zoom.us/my/jalirani |


**Times & Dates:**

| | |
|---|---|
| Lecture | Tuesday 7:00pm - 9:40pm, (*YR-205*) |
| Midterm | Tuesday, March 7, 2023 @ 7:00pm (*tentative*) |
| Final Exam | Tuesday, May 23, 2023 @ 7:30pm (*tentative*) |

**Text (Optional):**

*Web Design with HTML, CSS, JavaScript and jQuery Set, by Jon Duckett; ISBN: 9781118907433*
*Learning Node: Moving to the Server-Side 2nd Edition, by Shelly Powers; ISBN: 9781491943120*

**Prerequisites:**

COSC 336 Data Structures and Algorithm Analysis

**Course Objectives:**

- Proficiency in the use of HTML, CSS, and JavaScript Web Technologies
- Familiarity with dynamic HTML technologies
- Understand Node.js and Asynchronous JavaScript
- Design APIs and Modules
- Design and develop front-end websites using progressive JavaScript frameworks

**Exams:**

There will be a midterm and a final exam. Exams will include short answer and coding questions covering material from the lectures and assignments. The tentative issue date for the midterm is: March 7, 2023. The final exam issued on Tuesday, May 23, 2023 will not be cumulative, and will cover all material presented subsequent to the midterm.

**Project Submission Format:**

Sometimes, Blackboard will require you to submit assignments in a compressed format, especially when there are multiple files to submit. When you submit a compressed assignment, it must be a **.zip only**. .tar, .win7zip, etc. will not be accepted, only .zip. All assignments can only be submitted a maximum of two times, so please be careful when submitting and do not rush. **If a project that is compressed is not in a .zip format or a project needs to be submitted more than twice, an automatic 10% reduction will be enforced.**

**Number of Project Submissions:**

Each assignment will only be allowed two submissions. If you need to submit an assignment more than twice, no matter the reason, it will be a 10% deduction for each submission after two. **I will always grade your most recent submission**.

**Special Accommodation:**

If you may need an accommodation due to a disability please contact me privately to discuss your specific needs. A memo from Disability Support Services (DSS) authorizing your accommodations will be needed.

**Grading:**

The two tables below give: the contribution of each type of assignment to the semester grades, and the default letter grades assigned to percentages of the overall grade; *respectively*.

| Assignments | Percentage |
|---|---|
| Projects(10) | 50% |
| Midterm | 10% |
| Final | 20% |
| Group Project | 20% |

| Grade | Percentages |
|---|---|
| A | 100%–95% |
| A- | < 95%–90% |
| B+ | < 90%–87% |
| B | < 87%–83% |
| B- | < 83%–80% |
| C+ | < 80%–75% |
| C | < 75%–70% |
| D+ | < 70%–67% |
| D | < 67%–63% |
| D- | < 63%–60% |
| F | < 60% |

**Slack Super Stars:**

Since this class will utilize Slack as a form of communication and Q&A, I will reward the students that answer the most questions on Slack. I will give up to an extra 5 points on the final exam to the top 1-5 student(s) who actively contribute **answers** in the Slack channels to student questions.

**Late Assignments:**

All projects will be due at the time and date specified in the assignment details. Absence from class (excused or not) does not exempt a student from on-time submission of programming projects. Students are expected to start all scheduled assignments early enough to anticipate any unforeseen circumstances. Unless documentation of a prolonged illness is provided, all projects are expected to be submitted by the due date. **Projects and exams that are late will receive a 10% reduction for every 24 hours it is late. For example, if an assignment is due on January 29th at 4:30pm and if it is submitted on January 29th at 4:35pm, a 10% deduction will be put into place.**

**Collaboration:**

It is the goal of the class to foster a collegial atmosphere among students. Therefore we encourage collaboration within the guidelines of the University Academic Integrity Policy. Specifically, students are encouraged to:

- Discuss course policies: due dates, grading, submission guidelines, etc.
- Share and discuss lecture notes and reading material
- Discuss high-level programming concepts, syntax, APIs, etc.
- Discuss program specifications. *What* the specification says, not *how* to go about implementing it

**Academic Integrity:**

All students are expected to adhere to Towson's Academic Integrity policy as published in the Towson University Undergraduate Catalog. Unless otherwise specified in an assignment description, all classwork is expected to be completed individually.

Intellectual honesty is vital to an academic community and for my fair evaluation of your work. All work submitted in this course must be your own, completed in accordance with the University's academic integrity policy. You may not engage in unauthorized collaboration or make use of ChatGPT or other AI composition software. AI Writing tools are not permitted for any stage or phase of work in this class.

Note that academic dishonesty includes not only cheating, fabrication, falsification, and plagiarism, but also includes assisting other students commit acts of academic dishonesty by allowing them access to your work. Students may use the Web for reference purposes, but may not copy code from any website or any other source. All submitted work must be your own. Academic dishonesty may result in a grade of 0 for the assignment, possible failure for the course and the submission of a letter to the Office of Judicial Affairs.

**Repeat Policy:**

University policy dictates that students may not repeat a course more than once without prior permission of the Academic Standards Committee