ITP140: Client Side Scripting

Fall 2025 – Virginia Western Community College

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FYI - "Part 2" of video is posted under <u>Module 1</u>

Instructor Information

Name	**Email**	**Office Hours**
Dr. Benjamin Lamb	<u>blamb@virginiawestern.edu</u> (response within 2 business days)	Online by appt <u>https://is.gd/vwcc_lamb</u> ⇗

Welcome to ITP140 this Fall at VWCC! You made it here!!

Now what is this class all about?

VCCS Objective

Provides instruction in fundamentals of Internet application design, development, and deployment using client side scripting language(s).

Hmmm. Sounds complicated! Not terribly enlightening, is it? Let's try this again.....
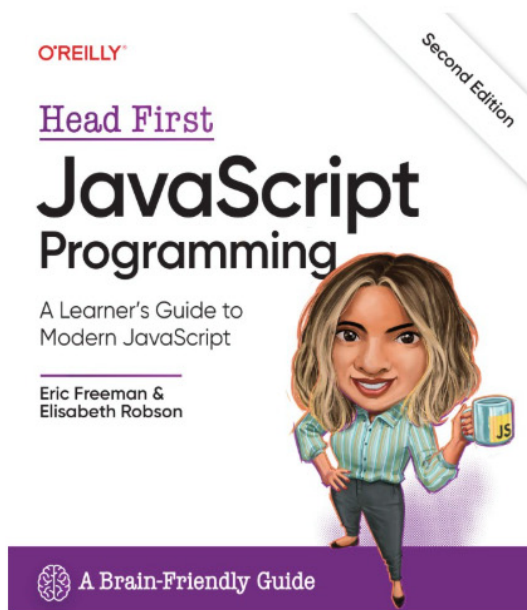
Instructor Description

Many people, it's safe to say (including myself), spend much if not most of their time each day connected to the Internet, glued to a screen, and interacting with and through a variety of web and mobile applications. Web applications are software we access through a browser (Chrome, Edge, Firefox, Safari, etc). Whether on a smartphone or using a computer, we can do all sorts of things using these web applications that we access through a browser. For example, purchase new things, sell old things, play music, play games, chat with friends, chat with a doctor, chat with AI, and so on. Society is so saturated and inundated with software, that we have come to expect, demand, and enjoy the interactive, personalized experiences of so many web applications that remember, adapt, and respond immediately to our needs and preferences. It's the norm now! But what is happening here and how does this marvelous technology work? That is what this course is all about...

Client-side scripting is what makes websites interactive and responsive—typically through JavaScript—so they can remember/adapt/respond to users through a browser. In other words, client-side scripts are software programs written in JavaScript that run inside the browser on your device or computer. Your browser offers a sandboxed runtime environment in which the JavaScript source code can be executed. Thus, this course is an introduction to JavaScript programming. We'll cover HTML and CSS basics in Module 1, but our primary focus is on how JavaScript bring websites to life. We'll explore JavaScript fundamentals—variables, functions, arrays, objects, DOM manipulation, and event handling. If all that sounds complicated, don't worry—we're going to slow down and enjoy the ride. And we'll sharpen our problem-solving skills and build practical experience through hands-on exercises and projects.

Required Materials

We will be adopting the engaging (sometimes amusing) *Head First "Brain-friendly"* approach to learning new topics, which entails using the textbook as an Exercise Workbook that you will hand-write inside for the homework activities and assignments:

- **Head First JavaScript Programming, Second Edition (2024)** by Eric Freeman and Elisabeth Robson. PAPERBACK; ISBN 9781098147945. Available at the VWCC Bookstore (but may be cheaper online).

Obtain a print/paperback copy of our textbook, **Second Edition - 2024.** Do not obtain a different version. And yes, you heard that right: we will be handwriting in it. See Head First Homework Instructions for details. *(Note: If you need disability accommodations, contact ODS right away please and they will send me your accommodations letter so we can find alternatives if necessary).*

Instructor Contact

For any issues or concerns, please e-mail me at blamb@virginiawestern.edu from your @email.vccs.edu student account and include our Course Code in the e-mail subject line ('ITP140'). Allow up to two business days for a reply. Questions about assignments should be sent at least 48 hours prior to the due date to get a response in time.

Course Outline

Official Course Outline is listed under Modules in Canvas. Online instruction will be served through Canvas LMS (learn.vccs.edu).

Student Evaluation

This is a virtual and asynchronous class but does require regular engagement in Canvas LMS. Students must login to check Canvas and VCCS e-mail at least once a week. This course requires each student to complete an **Identity Verification** assignment sometime during the first two weeks. This is a requirement to pass this course.

Assessment Instrument	Grade Points Each	Total Grade Weight
7 Module Homework	50 points each	350
7 Low-Stakes Quizzes	Approx 21 points each (w/ 1 retake)	150
Semester Coding Project	100 points per checkpoint	400
ID Verification	--	P/F
Final Exam (see below)	100 points	100
TOTAL		1000

Final Exam

This course uses an asynchronous final exam worth 100 points, available during the college's final-exam week. The exam opens Dec 10 and closes Dec 15 by 10 am. No late submissions are accepted after the close.

Course Policies

Attendance/Participation Policy & Late-Work Policy

Your Attendance for this class is your timely submission of assignments (Quizzes, Homeworks, Project Checkpoints, and one Identity Verification Assignment). **There is a Module Coding Homework and Quiz due every other Monday by 10 AM. You can re-take the Quiz once before this deadline** (viewing and correcting your first attempt is encouraged). Once the 10AM deadline passes, both assignments lock on Canvas and no submissions can be made. To streamline grading this semester: **Late assignments will not be accepted except in cases of emergency.** Should an emergency arise, that might affect your ability to submit an assignment on time, let me know before the due date (that is, before 10 AM on Monday).

Grading Policy

Final Letter grades are determined based on the total points earned out of 1,000. The following grading scale, VWCC's standard letter grading (no rounding and no +/-'s), is used for this course:

- A: 900 to 1,000
- B: 800 to 899
- C: 700 to 799
- D: 600 to 699
- F: 0 to 599

Thus, a final score of 900 would be an A; a final score of 899 is a B. Common arithmetic rounding is used for decimals (round half up).

Generative AI Policy

In this course, you may leverage the benefits of Generative AI tools to enhance your learning experience. AI tools can be utilized to supplement your understanding of course material, conduct research, and explore different perspectives. However, it is important to exercise discernment and ensure that their usage remains within the boundaries of academic integrity. Embrace the opportunity to harness the power of Gen AI while maintaining the principles of honesty and intellectual growth throughout the course.

Please note: Using AI may be allowed/encouraged at times in this class but always be aware that other instructors in VWCC may have different approaches and classroom policies. AI coding assistance is not considered cheating/plagiarism in my class, but it may be in your other classes. Be mindful.

Academic Misconduct Policy

Cheating is the actual or attempted practice of fraudulent or deceptive acts for the purpose of improving one's grade or obtaining course credit; such acts also include assisting another student to do so.

Plagiarism is a specific form of cheating which consists of the misuse of the published and/or unpublished works of others by misrepresenting the material so used as one's own work. Sometimes, plagiarism happens because students aren't completely clear on what it is. Review this site: http://www.plagiarism.org/ ⇩ for lots more information.

In case of any Academic Misconduct issues in this course, you will be notified by your VCCS e-mail and required to make-up the assignment. If it reoccurs, a score of 0 will be given, it will be documented/written-up, and the Academic Misconduct due process will occur.

For more information, see <u>Conduct code policies</u> ⇗.

Academic Calendar

If you find yourself needing to drop or withdraw from the class, although I hope that this situation does not arise, please be aware that you must handle the withdrawal process yourself online. Make sure you do it before the Administrative Deadlines according to VWCC's Academic Calendar. The Last Day to Drop & Receive Refund and The Last Day to Withdraw w/o grade Penalty can be found there: <u>https://www.virginiawestern.edu/academic-calendar/</u> ⇗.

Incomplete's may only be granted under serious mitigating circumstances as determined by the instructor. The student must have an overall average during the course of at least 80% and have already completed all work up to the point when an Incomplete is requested. This can only be done near the end of the class, where there is just an assignment or two left and/or the final. An Incomplete gives the student additional time beyond the end of the semester to complete the course requirements. The instructor decides on an appropriate deadline. Outstanding work not completed by this agreed upon deadline result in the Incomplete being changed to an F. Incomplete's must be discussed/approved one week before the first day of the exam week for the course.

Open Computer Labs

The Cybersecurity Lab (M302) is open during select hours, and instructors are often in the room to assist students. This lab is probably your best choice for a location to work on IT/CS related coursework. The Cybersecurity Lab is only open for IT/CS program students.

An open computer lab is also available for all student use in Brown Library B112. Tutors are often available to assist students with class subject material.

The Learning Technology Center is in Brown Library at 857-7250. It offers instructional assistance, tutorial assistance; computer-assisted learning, video-assisted learning and audiovisual presentations are available to students. Other services are placement tests, Writing Center, and Math Center. Check website for more information: <u>http://virginiawestern.edu/ltc/</u> ⇗

ADA Disability Policy

Virginia Western Community College is committed to providing equal access to educational opportunities for students with disabilities. For more info, see VWCC's full ADA Statement: <u>https://www.virginiawestern.edu/wp-content/uploads/2024/12/Syllabus-Statement_ADA.pdf</u> ⇗

Title IX Policy

Virginia Western Community College is committed to maintaining a learning environment free from harassment and discrimination. For more info, see VWCC's full Title IX Statement: <u>https://www.virginiawestern.edu/wp-content/uploads/2024/12/Syllabus-Statement_Title-IX-2025.pdf</u> ⇗

Inclement Weather Policy

This course is fully online and asynchronous; we do not have set meeting times. If the College announces a closure or if widespread power/internet outages occur, any assignment with a due date during the closure/outage window will automatically move to the next business day at 10:00 AM.