UVU UTAH VALLEY UNIVERSITY™

Master Course Syllabus

For additional course information, including prerequisites, corequisites, and course fees, please refer to the Catalog: https://catalog.uvu.edu/

Semester: Spring
Course Prefix: DWDD 2720
Course Title: Web Languages I

Year: 2025
Course and Section #: 001
Credits: 3

Course Description
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Course Attributes
This course has the following attributes:
☐ General Education Requirements
☐ Global/Intercultural Graduation Requirements
☐ Writing Enriched Graduation Requirements
☒ Discipline Core Requirements in Program
☐ Elective Core Requirements in Program
☐ Open Elective
Other: *Click here to enter text.*

Instructor Information
Instructor Name: Thor Anderson

Student Learning Outcomes
In this course, you will be learning how to build web components and pages that use the TypeScript language.
You will build TypeScript components that teach:
Basic TypeScript data types
TypeScript Classes
TypeScript Inheritance
Function Types
Generics
Advanced TypeScript Types

Course Materials and Texts
This course is broken into units based on TypeScript topics with instructional videos to watch and coding assignments that will take about 1-2 weeks to complete. The assignments will build upon each other, so it is very important to keep up with the pace of this course. But since this is a brand new course for the Web Development emphasis within Digital Media's Web Design and Development degree program, we will progress through this course in a measured and methodical manner.

Most of the content in this course relies upon TypeScript which was introduced in 2012. We will be using the latest version of TypeScript which is 5.1 at time of this writing. We will also be using modern libraries and tools that support TypeScript including NodeJS, NPM, Visual Studio Code, and Git.

Course Requirements

Course Assignments, Assessments, and Grading Policy
Of course no lesson is complete without providing you an opportunity to demonstrate what you have learned. These assignments will require you to demonstrate what you have learned from the Pluralsight videos as well as your online reference and example code reading. Of course, you are expected to do your own work and write your own code, but we will also get practice in reviewing and accepting AI code suggestions. You will NOT be allowed to just copy and paste code from any other source when completing the unit assignments. You get to hand code each assignment with the built-in assistance provided by tools like Visual Studio Code and GitHub CoPilot. The assignment for each unit builds on the code you wrote for the previous unit, so it's important that you keep up.

Required or Recommended Reading Assignments
We will be using freely available course materials from Pluralsight as our "textbook" for this course. I have created a "learning path" in Pluralsight that we will follow to get experience using TypeScript. This will supplement the activities and assignments we have in class.

General Description of the Subject Matter of Each Lecture or Discussion
All of your assignments will be uploaded to your own private Git repository. You will make sure your Git repository is private and that you have added me as a collaborator to your repository. Making regular commits to your repository will show your progress throughout the semester. Here are two very important things to note about using Git in this course:
1. Commits made after any of the deadlines specified in this syllabus **will not be accepted**.
2. Commits made using Githubs "File Upload" feature **will not be accepted**. You are expected to make regular, consistent git commits and pushes to your repository.

Required Course Syllabus Statements

Generative AI
You are encouraged to utilize AI as a supplementary aid that streamlines research, sparks ideas, and refines coding skills. Yet, it is imperative that any AI-generated content not replace the fundamental learning process. AI should serve as a springboard for your creativity and analytical thinking, not as a substitute for these essential skills.

Using Remote Testing Software
☒ This course does not use remote testing software.

☐ This course uses remote testing software. Remote test-takers may choose their remote testing locations. Please note, however, that the testing software used for this may conduct a brief scan of remote test-takers' immediate surroundings, may require use of a webcam while taking an exam, may require the microphone be on while taking an exam, or may require other practices to confirm academic honesty. Test-takers therefore shall have no expectation of privacy in their test-taking location during, or immediately preceding, remote testing. If a student strongly objects to using test-taking software, the

student should contact the instructor at the beginning of the semester to determine whether alternative testing arrangements are feasible. Alternatives are not guaranteed.

Required University Syllabus Statements

Accommodations/Students with Disabilities
Students needing accommodations due to a permanent or temporary disability, pregnancy or pregnancy-related conditions may contact UVU Accessibility Services at accessibilityservices@uvu.edu or 801-863-8747.

Accessibility Services is located on the Orem Campus in BA 110.

Deaf/Hard of Hearing students requesting ASL interpreters or transcribers can contact Accessibility Services to set up accommodations. Deaf/Hard of Hearing services can be contacted at DHHservices@uvu.edu

DHH is located on the Orem Campus in BA 112.

Academic Integrity
At Utah Valley University, faculty and students operate in an atmosphere of mutual trust. Maintaining an atmosphere of academic integrity allows for free exchange of ideas and enables all members of the community to achieve their highest potential. Our goal is to foster an intellectual atmosphere that produces scholars of integrity and imaginative thought. In all academic work, the ideas and contributions of others must be appropriately acknowledged and UVU students are expected to produce their own original academic work.

Faculty and students share the responsibility of ensuring the honesty and fairness of the intellectual environment at UVU. Students have a responsibility to promote academic integrity at the university by not participating in or facilitating others' participation in any act of academic dishonesty. As members of the academic community, students must become familiar with their rights and responsibilities. In each course, they are responsible for knowing the requirements and restrictions regarding research and writing, assessments, collaborative work, the use of study aids, the appropriateness of assistance, and other issues. Likewise, instructors are responsible to clearly state expectations and model best practices.

Further information on what constitutes academic dishonesty is detailed in UVU Policy 541: *Student Code of Conduct*.

Equity and Title IX
Utah Valley University does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age (40 and over), disability, veteran status, pregnancy, childbirth, or pregnancy-related conditions, citizenship, genetic information, or other basis protected by applicable law, including Title IX and 34 C.F.R. Part 106, in employment, treatment, admission, access to educational programs and activities, or other University benefits or services. Inquiries about nondiscrimination at UVU may be directed to the U.S. Department of Education's Office for Civil Rights or UVU's Title IX Coordinator at 801-863-7999 – TitleIX@uvu.edu – 800 W University Pkwy, Orem, 84058, Suite BA 203.

Religious Accommodation

UVU values and acknowledges the array of worldviews, faiths, and religions represented in our student body, and as such provides supportive accommodations for students. Religious belief or conscience broadly includes religious, non-religious, theistic, or non-theistic moral or ethical beliefs as well as participation in religious holidays, observances, or activities. Accommodations may include scheduling or due-date modifications or make-up assignments for missed class work.

To seek a religious accommodation, a student must provide written notice to the instructor and the Director of Accessibility Services at accessibilityservices@uvu.edu. If the accommodation relates to a scheduling conflict, the notice should include the date, time, and brief description of the difficulty posed by the conflict. Such requests should be made as soon as the student is aware of the prospective scheduling conflict.

While religious expression is welcome throughout campus, UVU also has a specially dedicated space for meditation, prayer, reflection, or other forms of religious expression.