Web Project	Course Schedule	Assignment	is Lessons Resources
Design	Student Websites		
and Development ISS/AMI 241L /	Course	Schee	dule
VMS 257L // Spring 2019	INTRO	Jan 09	Introduction
Assignments			 In-Class: Introduction to the Course Demo: Setting up your development environment / setting your personal web space at http://people.duke.edu/
Uncategorized			 Homework Assignment 1 (Due Jan 16): Set Up Personal Web Space Post Index.html Read: Paul Ford, "What is Code?" Skim: Mozilla.org, "What is JavaScript?"
	WEEK 2:	Jan 14	JavaScript Fundamentals: Syntax, Variables, Operators
Meta Site Admin	JavaScript First Steps		 In-Class Troubleshooting: Course websites, uploading, HTML/CSS questions Demo: JavaScript Fundamentals: What is JavaScript? What
Log out			for? First Steps: Syntax, Variables, Operators
Entries feed			 Homework Tutorials: W3 Schools JavaScript Tutorials, Complete Introduction – Data Types
Comments feed			• Read:
WordPress.org			 Speaking JavaScript, Ch.1 (read/skim through "Strings") Tim O'Reilly: What is Web 2.0, O'Reilly, p.5, 2005 Wikipedia Page on the History of the Internet Assignment 2: Syntax, Variables and Operators worksh
		Jan 16	More JavaScript Fundamentals: Data Types, Objects, and Funct
sites.duke.edu/ami2411-01_s2019/svllab			 Assignments 1 & 2 Due Demo: Objects and Functions Homework Tutorials: W3 Schools JavaScript: Do Functions, Object and all HTML DOM sections Assignment 3: Arrays, Functions & Objects Worksheet

		 Work on class website: styling, positioning Read: Frank Chimero, "What Screens Want" Tim Berners-Lee, "Long Live the Web"
WEEK 3: JavaScript DOM	Jan 21	No Class – Martin Luther King Day
	Jan 23	 JavaScript alongside HTML and CSS: Working with the DOM Assignment 3 Due Discussion: Web 2.0 and Scripting User Interaction Demo: Working with the DOM Homework: Assignment 4: DOM Practice – Pure JavaScript Dropdo
WEEK 4: Introducing JQuery	Jan 28	 Getting Started with JQuery: Basic Concepts, Syntax and Select Assignment 4 Due Demo: JQuery Syntax and Selectors Homework: JQuery Tutorial on W3Schools: "Intro" – "Events" Assignment 5: JavaScript to JQuery
	Jan 30	 JQuery Review and Design Principles Assignment 5 Due Demo: Group work-through of JavaScript to JQuery Probl Discussion of web design principles // How to start planni website Homework: Tutorial: "Events" and "Effects" sections on learn.jquery.com Assignment 6: Outline of midterm website structure
WEEK 5: Wireframing and CSS Frameworks	Feb 04	 Wireframing and Frameworks: Making Interface Assignment 6 Due Demo: Wireframing / Bootstrap Framework implement Homework: Assignment 7:Wireframe design and begin Bootst implementation Read:

		 Codecademy.com: "How Users Scan" Medium.com: "Z-Pattern for Reading Web Cor Read: Bootstrap Documentation page Read/Skim "Introduction", "Layout", "Content" "Components" sections
	Feb 06	Course / Midterm website workshop session
		 Assignment 7 Due Demo / Workshop: More Bootstrap, Course Website works session Homework:
		 Read: "How the BootStrap 4 Grid Works"
		 Research JQuery Plugins, Documentation
		 Assignment 8: "Blog" post about a JQuery or JS Plugi you're interested in
WEEK 6:	Feb 11	JQuery Plugins: Leveraging pre-built code to achieve design g
Introducing P5.JS		 Assignment 8 Due Demo/Lecture: Incorporating JQuery Plugins Homework: Assignment 9: Deploy a JQuery Plugin
	Feb 13	Introduction to P5.JS and Creative Coding
		 Demo: p5.js setup and creating a canvas Homework: Browse: List of Creative Coding Projects from Dan Ship5.js Examples Read: P5.JS Overview Assignment 10: P5 JS First Canvas: remixing examples
WEEK 7:	Feb 18	More P5.JS
More P5.JS		 Assignment 10 Due Demo: Up and Running with p5.js: Functions, Objects Arrays Homework: Assignment 11: instance mode, animation, interaction (due Feb 27, but may be helpful for yo midterm site!) Optional, highly recommended: Coding Train P5.j

Midterm Workshop and Troubleshooting Session

	Feb 20		
WEEK 8:	Feb 25	Midterm Website Group Critique Session	
Midterm / More P5.JS		 Midterm Website Due 12AM Feb 24 In Class: 5-minute website presentation and group critique session Homework: 	
		• Begin final project proposal research	
	Feb 27	P5.JS: DOM	
		 Assignment 11 Due Demo: P5 DOM Homework: Coding Train p5.js DOM tutorials 8.2-8.9~ (optional, bugod) Assignment 12: P5.js DOM 	
WEEK 9:	Mar4	P5.js DOM: Loading external files, other inputs	
P5 DOM		 Assignment 12 Due Demo: Loading things, More DOM Homework: Start Assignment 13: Make an Interface with p5 / DOM 	
	Mar 6	P5.js: Continuing with Interface	
		 Demo: More tools – functions with arguments, loading and looping through arrays, code modularity Homework: Assignment 13: Make an interface (Due March 18) Begin Final Project Proposal research: start researching libraries and resources for your final project Some resources to get started Want to work with data and images? here's a very large image sets Inspiration: molleindustria makes indy games Check out the p5.play library There are tons of example P5 Sketches to inspiration gogle around P5 isn't the only sketching library And MORE PR examples, even 	

OFF	Mar 13	Spring Break
WEEK 10:	Mar 18	P5.js: Getting Data (or Video in p5)
Video / Working with Data		 Assignment 13 Make an Interface! Due In Class: Video Input with CreateCapture, More About Pixel Homework: Check out the final project description. The Final Project Proposal is Due Monday, March 25 Start final project research Try out Video examples from Dan Shiffman
		Working with Data in P5, Part I: Sources and Formats
		 In Class Discussion / Demo: APIs, Data in JavaScript and PS Homework: Kate Crawford, "The Anxieties of Big Data" The New In (2014) Try starting a local server: Dan Shiffman's instructions for doing this with pyt Alternative: Download and install node.js (we will this as homework for next class): MAC Windows npm install http-server and run. (see second or on this page) Final Project Proposal Blog Post due Monday
WEEK 11:	Mar 25	Working with Data in P5, II:
Server-Side Scripting with Node		 Final Project Proposal Due (Blog Post) Demo: intro – web servers, node.js, APIs Homework:
		 Install Node.js on your computer Read/Skim: p5 / Processing Local Server docs Watch: Dan Shiffman on "What is node.js?", Coding Train Worwith Data Tutorials:10.1-10.4 Optional, but very interesting: Tania Buchner, "Objects Intense Feeling: The Case of the Twitter API" Computa Culture (2013)

Mar 27 Server-side Scripting with Node.js

		 Discussion / Demo: Web Servers, Node.js Homework Assignment 14. Make a sketch that calls data from an Final Project Asset prep due Wendesday, April 3 (black)
WEEK 12:	Apr1	Server-side Scripting with Node.js & P5.js, Part I
Node.js to serve data: Twitter Bots		 Assignment 14: API Sketch Due Demo: Getting data from twitter with node.js Homework: Browse list of twitter bots Work with the demo files from class to get data from T set up a twitter developer account
	Apr 3	Making a Bot using node.js, Part II
		• Demo: Bot v. 1 – browser-based script
WEEK 13:	Apr 8	Working with Databases – Database As Service
Generative Systems		 Demo: Firebase / Continued App Build Homework: Work on Storyboarding for Final Project / Final Project
	Apr 10	Working with Databases / Servers – Node.js
		 Demo: using Node.js to serve and save data Homework: (extra credit due in last week, with final project write a small app that gets and displays tweets using the Twit Package in node.js or codebird.js
WEEK 14:	Apr 15	Final Project Pitch and Group Critique
		 Final Project Storyboard due In Class: Final Project Pitch / Group Critique
	Apr 17	Final Project Troubleshooting and Workshop
LAST WEEK: Final Projects	Apr 22	Final Project Troubleshooting and Workshop
	Apr 24	Final Project Short Presentation and Group Critique

Final Project Website Due Monday, April 29 by 11:59 PM

Edit page

© 2021 Web Project Design and Development — Powered by WordPress

Theme by ThemeIsle

Web Project Design and Development is powered by WordPress at Duke WordPress Sites. Please read the Duke Wordpress Policies. Contact the Duke WordPress team.