Modern Web Development

This course is geared for web designers, content editors and other professionals with aspirations to learn web development, as well as web developers seeking exposure to a range of up-to-date tools. The class will be set up using GIT as a shared resource repository on the instructor’s workstation to demonstrate change management and developer collaboration.

Students will set up a modern web development environment on their own workstation, learning the use of Virtual Machines (VMs). Other development tools such as Grunt and other task runners will show how web developers safely experiment, troubleshoot, and update without impacting their live websites. The use of CSS pre-compilers like SASS and Compass will be shown for the management of large quantities of CSS.

Students need familiarity with HTML, CSS and JavaScript to take the class, with exposure to at least one other programming language such as PHP, Ruby, Python, or Java.

Instructor Jeff Brody is well-rated by IA summer students. He is very good at bringing beginner-level students along while covering topics for more advanced students, conveying an in-depth understanding of the technology. Jeff is a software developer and management consultant with over 25 years experience.

Course # C61335, Section SUA-PSU
9am - 12noon,
June 16 (Tues), June 18 (Thurs), June 23 (Tues)
at the Continuing Education campus
9 hours, $450

Dashboards: Data Visualization using JavaScript

Learn how data from various sources may be communicated with impact to a variety of stakeholders in dynamic visual displays using JSON, XML, CSS, JavaScript and jQuery and other JavaScript libraries. Class exercises will demonstrate the process from data import (plain text, CSV, MyReports, .xlsx, JSON, XML) to visual display in a browser using charting libraries.

The implementation of an easier-to-use charting library will be demonstrated in the class. Other charting library references (requiring more programming knowledge) will be shared. Students are encouraged to bring their needs for data display to class for discussion of the merits of various charting solutions.

Students need familiarity with HTML, CSS and JavaScript to take the class.

Instructor Jackson Stakeman is a Multimedia Development Specialist at UNM Extended Learning, with a degree in Cinematic Arts Critical Studies with a Minor in Digital Studies from the University of Southern California.

Course # C65300, Section SUA
1pm - 4pm, July 13 (Mon), July 15 (Wed), July 20 (Mon)
George Pearl Hall, 4th Floor, Fine Arts Library Computer Lab
9 hours, $459

Both courses are eligible for UNM TUITION REMISSION.

FOR REGISTRATION INSTRUCTIONS:
iu-unm.unm.edu/summerclass