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| **College / University name** | **Course Name** | **Course Description** |
| Long Beach City College | Front End Website Development | Formerly CBIS 207E. This course develops knowledge in modern front-end web development skills including intermediate level HTML/CSS, mobile websites, responsive web development, CSS frameworks, jQuery, accessibility, usability and emerging web development trends/tools. Students are encouraged to have a basic knowledge of web development from COSW 10 or equivalent |
| Long Beach City College | Web Development with PHP/MySQL | This course covers PHP & MySQL, one of the most popular technology combinations for developing interactive Web sites. It is designed to provide students with a real world experience in developing database driven website programming concepts for personal and small business needs. Students write PHP code to interact with data stored in a database including record creation, update, deletion and retrieval. Emphasis will be placed on creating web forms, searching databases, and session management. It is recommended that students enter this course with beginning knowledge of Web development concepts including HTML and CSS. |
| Long Beach City College | Introduction to JavaScript and jQuery | This course provides an overview of client-side programming using JavaScript, variables, arrays, functions, event handlers, objects, form validation, cookies, and the DOM. Introduces Web 2.0 technologies, Ajax (Asynchronous JavaScript and XML and JSON), and it is an introduction to using popular libraries including jQuery. |
| Los Angeles Mission College | WEB APPLICATION DEVELOPMENT | A beginning course where students will create WEB pages, set up personal or commercial WEB sites, upload to a WEB server that the class creates and use HTML as a foundation to Javascript. |
| Los Angeles Mission College | PROGRAMMING IN JAVASCRIPT | Introduces JavaScript to Web developers with HTML and CSS background who want to create dynamic Web pages and to Server-side programmers who use languages like ASP, JSP, or PHP and would like to add JavaScript programming to their skill sets. Students integrate script elements, outputting to a web document, working with selections, repetition structures, writing functions; and accessibility to create dynamic web applications. |
| MiraCosta College | Web Design 1: Fundamentals | This course introduces the fundamentals of building webpages, including HTML coding, Cascading Style Sheets (CSS), image optimization, web typography, interface design, basic JavaScript, and Secure File Transfer Protocol (SFTP) for uploading websites. Students also learn about browser and platform issues, modern coding best practices, responsive design, and management techniques for personal websites |
| MiraCosta College | Web Design 2: Tools and Techniques | This intermediate-level course builds on the skills developed in MAT 125. It introduces students to techniques for designing websites using industry-standard web design and development tools including Dreamweaver and Photoshop. Topics include responsive web design, coding, image editing and optimization, animation, and producing websites using HTML, CSS, and JavaScript. |
| Mission College | WEB DESIGN | An introduction to web page design and site management. The characteristics of web page design and navigation structures are analyzed. Emphasis is on innovative ways by which to conceptualize, design and create interactive websites. |
| Mission College | WEB DESIGN II | Advanced development of aesthetic and conceptual skills related to design for Web Sites. Techniques are demonstrated to further student experience with design, Dreamweaver, HTML5 and CSS (Cascading Style Sheets). Focus is also placed on usability, accessibility and web standards. |
| Notre Dame de Namur University | Client-side in Web Application Development UGCC | This course introduces students to client-side web programming (presentation layer) in a team-based, project-oriented environment. Emphasis is placed on HTML5, AJAX, JASON, JavaScript, JSP and CSS as well as quality development best practices such as unit testing in order to solve different levels of Web application development complexities. Students have the opportunity to gain hands-on experience creating low-fidelity visual representation of website’s layout design (Prototype) through variety of Wireframing techniques. |
| Notre Dame de Namur University | Web Application Development (3) | This course is a team-based, project-oriented overview of the development of Web-based applications. Topics include object-relational mapping, transactions, model view controller architectures, Web services, integration, sending e-mail, security, deployment, and Web presentation layer technologies. Students study the programming languages Groovy, Grails, HTML, CSS, JavaScript, and jQuery among others as well as agile development practices such as unit testing. |
| Palomar College | Web Site Development with HTML5/CSS3 | Web Site Development with HTML5/CSS3 |
| Santiago Canyon College | Internet, HTML, and Web Design | This hands-on course provides all the skills necessary to navigate, create and manage content on the World Wide Web. Students will become familiar with the Internet and its underlying technology and security. The course also covers the principles of Web page design, the use of graphics and other media files, and the creation of linked documents. Students will use both HTML and a Web authoring program to create and edit Web pages and will have the opportunity to put their Web sites online by publishing to a Web server. |
| Santiago Canyon College | Introduction to Web Page Development using HTML | Provides introductory instruction to web page development. Topics include web page design elements: HTML; graphic images, movie and sound formats; and testing pages on cross platforms. Grade: Pass/No Pass. Open Entry/Open Exit. |
| Allan Hancock College | Web Page Design | Web Page Design |
| Allan Hancock College | Introduction to Computing with HTML | Introduction to Computing with HTML |
| Allan Hancock College | **Web Publishing** | his course is an introduction to publishing on the World Wide Web. Topics include creating web pages with the Hyper Text Markup Language (HTML), organizing a series of pages into a web site, and uploading web pages to a server. This course makes extensive use of the computer tools necessary to insert HTML tags, create images, and view web documents. It takes beginning web designers through the process of designing, building, and publishing a working web site. |
| Antelope Valley College | **Web design** | **Web design** |
| Barstow Community College | INTRODUCTION TO WRITING WEB PAGES | Fundamentals of Hyper-Text Markup Language (HTML) and electronic publishing on the Web. Students will learn how to produce a multi-page Web site with images, text and links; tables, frames, forms and simple multimedia; uploading and modifying Web documents to a Web server |
| Barstow Community College | ADVANCED WEB DEVELOPMENT | Introduction and fundamentals of web programming to include advanced Markup Languages and Scrip tin g Languages. Hands-on experience in producing Dynamic HTML (Hypertext Markup Language), JavaScript, XML, PHP, and ASP web-type applications/sites. Develop skills for web user interfaces to manage files, databases, and extracting and reporting information. Along with basic client/server Web serving concepts and an introduction to database middleware concepts. Use of popular web development programs such as Macromedia Dreamweaver MX and Microsoft Front Page. |
| Barstow Community College | MULTIMEDIA FOR THE WEB | An introductory course to basic multimedia and graphic concepts. Topics include design methodology and 146 delivery. Students will learn and incorporate the fundamentals of editing and manipulating text, images, video, animation, and audio to effectively communicate to the web user. Macromedia Flash, Fireworks, and Adobe Photoshop will be used to develop hands-on skills to produce professional quality multimedia presentations for business and Commerce applications. |
| Berkeley City College | WEB PROGRAMMING CAPSTONE PROJECT | Basic theory and practice of web page construction using HTML and authoring tools |
| Berkeley City College | WEB PROGRAMMING CAPSTONE PROJECT | Basic theory and practice of web page construction using HTML and authoring tools |
| [California State Polytechnic University, CALPOLY POMONA](https://en.wikipedia.org/wiki/California_State_Polytechnic_University,_Pomona) | Client-Side Web Development | As the client-side web technologies advance, web browsers are modernized accordingly to be able to present information in a more structured, interactive, and useful manner. Web developers need to acquire skills in the proper use of the latest HTML standards, presentation styles, and JavaScript programming techniques to provide a rich user experience and deliver social content. In this course, you will learn: HTML5 and CSS3 User experience design Wireframes, usability, and prototypes JavaScript libraries Building social context using social APIs Requirement: Students will need to bring their own computer to class |
| [California State Polytechnic University, CALPOLY POMONA](https://en.wikipedia.org/wiki/California_State_Polytechnic_University,_Pomona) | Server-Side Web Applications | Establishing an informational web presence is only the first step in today’s web development. Limited by the thin and insecure web front-end, modern businesses must develop server-side web applications to process and manage complex business logic and corporate data made available only on the server. In the context of electronic commerce, the server-side web applications must be search engine optimized and able to integrate with other service components across systems or business partners. In this course, you will learn: HTTP protocols and web server environments Online database design and programming E-commerce applications development Search Engine Optimization Web API programming Prerequisite: Basic understanding of client-side web development (HTML, CSS, and JavaScript), a programming language (e.g., C++, VB.net, Java) and database concept. Requirement: Students will need to bring their own computer to class. |
| [California State University, Bakersfield](https://en.wikipedia.org/wiki/California_State_University,_Bakersfield) | Web Development with HTML/XHTML and Tools. 3 Units | Hands-on course covering the processes and guidelines for creating and customizing interactive webpages. Emphasis on use of HTML/XHTML, CSS, and tools to create webpages. HTML/XHTML syntax to create, format, and link documents. Use of tables, graphics, styles, forms, multimedia, and other features in webpages. Effective webpage design and website organization. Lecture two hours and technical activity and laboratory two hours. |
| [California State University, Bakersfield](https://en.wikipedia.org/wiki/California_State_University,_Bakersfield) | Server Scripting Languages | Server Scripting Languages (5) Languages, principles and techniques fundamental to web application development on the server side. The latest languages and technologies are addressed, to include ASP, PHP, Perl, Python. Prerequisites: CMPS 221 and 211 or instructor approval. |
| [California State University, Channel Islands](https://en.wikipedia.org/wiki/California_State_University,_Channel_Islands) | Bachelor Science in Technology program (BSIT) | The BSIT program gives the student the opportunity to complete a Bachelor of Science degree in Information Technology. The course work will provide a foundation in mathematics, programming, networking, databases, web, computer architecture and information systems. The BSIT covers the interdisciplinary ground between a BS in Computer Science and a BS in Management Information Systems, emphasizing the fastest growing segments of the both: Web Systems, Databases, and Networks. This interdisciplinary program draws from both camps: mathematics, science, and computer programming from Computer Science, and business organization and project management from Management Information Systems. From there it adds depth in Web Programming and Technology, Database Theory and Design, and Data Communications and Networking, while allowing for further depth in these or related areas such as e-Commerce, Computer Security, and Multimedia. |
| [California State University, Chico](https://en.wikipedia.org/wiki/California_State_University,_Chico) | Basic Web Design | Introduction to hypertext markup language (HTML), Web standards, and the Web publication process. Includes practical exercises in the creation and publication of Web pages and the construction of coherent Web sites. 2 hours discussion, 2 hours activity. |
| [California State University, Chico](https://en.wikipedia.org/wiki/California_State_University,_Chico) | Advanced Web Design | Modern Web technologies for the production and publication of Web pages and sites. Production of client-side and server-side dynamic Web pages to accept user input and retrieve information from databases. Style sheets for controlling Web page appearance. 2 hours lecture, 2 hours activity. |
| [California State University, Dominguez Hills](https://en.wikipedia.org/wiki/California_State_University,_Dominguez_Hills) | WEB DESIGN CERTIFICATE PROGRAM | WEB DESIGN CERTIFICATE PROGRAM |
| [California State University, Dominguez Hills](https://en.wikipedia.org/wiki/California_State_University,_Dominguez_Hills) | Beginning HTML Publishing | This course is an HTML beginning-level workshop. Students will create a basic Web page for business, a non-profit organization, or for individual personal or professional use. Beginning principles of HTML include: proper HTML code structure, color selection, and placing images, text, and links on a page. |
| [California State University, Dominguez Hills](https://en.wikipedia.org/wiki/California_State_University,_Dominguez_Hills) |  | This course builds on the skills gained in the Building a Better Web Site class. Topics covered include: a quick review of basic HTML structure, advanced tags, styling text with fonts, using tables to control layout, and creating online forms. |
| [California State University, Dominguez Hills](https://en.wikipedia.org/wiki/California_State_University,_Dominguez_Hills) | Advanced HTML | This course builds on the skills gained in the Intermediate class and adds: building complex sites using CSS, frames, multimedia (sound, video & animation), adding JavaScript functionality, and more. |
| [California State University, East Bay](https://en.wikipedia.org/wiki/California_State_University,_East_Bay) | Introduction to Web Design and Technology | Technology and design of web sites, systems and services. Human factors issues, computer-human interfaces design, web system design and development and testing; evaluation processes. Website development using multimedia, graphics, image, and animation tools. Topics from e-commerce solutions and networking fundamentals. Prerequisites: Satisfactory completion of ELM. Credit Restrictions: Not open to students with credit for CS 3520; Not for credit in computer science major. |
| [California State University, Fresno](https://en.wikipedia.org/wiki/California_State_University,_Fresno) | Web Front-End Engineering for Internet Applications (3) | Concepts and architecture of interactive web applications. Markup, stylesheets, templates and frameworks. Functional and object-oriented aspects of JavaScript. Model-view design patterns. Asynchronous events, WebSocket and real-time techniques. HTTP server architecture, web services and non-relational datastores. Workflow, staging and cloud deployment. |
| [California State University, Fresno](https://en.wikipedia.org/wiki/California_State_University,_Fresno) | Web Back-End Engineering for Enterprise Applications | Concepts and architecture of enterprise applications, components, services and communication technologies. Dependency injection, application tiers, remote objects, distributed transactions, message queues, web services and object-relational mapping. Enterprise application development in Java with build tools, containers and applications servers. |
| California State University, Humboldt | Web-Apps Using Databases | Building applications atop databases. N-tiered architecture; database tier: stored procedures/ functions; presentation tier: web GUIs; application tier: controlling web-to-database interactions |
| California State University, Long Beach | Beginning Web Design | Beginning Web Design |
| California State University, Long Beach | Intermediate Web Design | Intermediate Web Design |
| California State University, Los Angeles | Introduction to Website Development | Introduction to Website Development |
| California State University, Monterey Bay | Web Tools | Introduces students to the tools and methods of web design and production. Students will learn basic HTML, web design tools, Cascading Style Sheets (CSS) and browser compatibility while applying the design principles of information architecture, color, layout, and type. |
| California State University, Monterey Bay | Internet Programming | Provides students with dynamic web application development skills, focusing on the PHP, MySQL, and JavaScript. Coverage includes the Internet architecture, XHTML, CSS, programming with PHP, database and MySQL, and client-side programming with JavaScript. |
| California State University, Northridge | Web Engineering I and Lab | Internet infrastructure and the underlying networking technologies. Study of system and software architectures for web applications, e-business and e-commerce systems. Principles of website design. Advances in web-engineering technologies. Principles of web-based based transaction processing. XML and the associated technologies. Web service technology. Security and privacy issues. Study of the emerging Internet technologies. Two hour lecture and three hour lab per week. |
| California State University, Sacramento | Web Development with HTML/XHTML and Tools. | Subject Description: Hands-on course covering the processes and guidelines for creating and customizing interactive webpages. Emphasis on use of HTML/XHTML, CSS, and tools to create webpages. HTML/XHTML syntax to create, format, and link documents. Use of tables, graphics, styles, forms, multimedia, and other features in webpages. Effective webpage design and website organization. Lecture two hours and technical activity and laboratory two hours. |
| California State University, Sacramento | Web Development with PHP and MySQL | This course provides students with the skills to create dynamic web pages with PHP Hypertext reprocessor (PHP) and Structured Query Language (MySQL). Practical applications of PHP include web form data processing and work with MySQL databases using sessions. Students must have existing proficiency in Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) and have an understanding of basic programming concepts to be successful in this class. 36 hours lecture/54 hours laboratory |
| Cerritos College | WEB PAGE DEVELOPMENT | Class hours: 3.0 Lecture/2.0 Laboratory This course provides the knowledge, skills, and hands-on experience needed to create multimedia web pages. Using a variety of authoring tools, students will create web pages with links, graphics, tables, frames, and forms, and add dimensions of time, audio, video, motion, and interactivity to web pages. Upon completing this course, students will be ready to plan, build, promote, and maintain a professional website, which includes selecting a web host and uploading the site to a web server. |
| Cerritos College | JAVASCRIPT PROGRAMMING | Prerequisite: CIS 103, and CIS 162, or equivalents with grades of “C” or higher or "Pass". This course covers client-side Web scripting using JavaScript and other Web page development tools. It covers the programming techniques of JavaScript useful to Web designers. Students will learn to create interactive and dynamic Web pages. |
| Cerritos College | HTML AND CSS | The course will cover HTML (HyperText Markup Language) and CSS (Cascading Style Sheets) to develop Web pages. Students will learn how to specify the multimedia content of a Web page using HTML tags, and to lay out and format the Web page using CSS styles. An introduction to JavaScript and other Web client development technologies will also be included to create dynamic elements. |
| Cerro Coso Community College | Web Design | In this course, students develop an understanding of graphic design periods and styles, and they apply principles of design, color theory, and typography to web page designs. Students develop intermediate proficiency in Adobe Dreamweaver. Students also acquire skills in customizing WordPress themes. Students should be proficient in Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), and digital imaging in order to be successful in this class. 36 hours lecture/54 hours laboratory. |
| Cerro Coso Community College | Advanced Web Development | This course provides students with the skills to develop content for mobile devices using Hypertext Markup Language 5 (HTML5). Particular emphasis is given to designing for small screens, including interface design, usability, and aesthetic style. 36 hours lecture/54 hours laboratory |
| Chabot College - Chabot College | JAVASCRIPT FOR DESIGNERS | Introduction to JavaScript, a scripting language used to add interactivity to web pages. Covers the aspects of JavaScript most useful to web designers: basic object-oriented programming techniques; using the Document Object Model to control page elements such as windows, links, forms, and images; working with free JavaScript libraries such as jQuery. (May not receive credit if DIGM 34 has been completed).Strongly Recommended: DIGM 15 (completed with a grade of "C" or higher) or , DIGM 15 (completed with a grade of "C" or higher). |
| Chabot College - Chabot College | HTML AND CSS FOR DESIGNERS | Students use various software technologies to create media-rich websites. Websites are built using HTML and CSS. Students use multimedia software programs to include vector graphics, photographs, fonts, and video and motion graphics. Website design aesthetics and usability are emphasized as a core component of building websites. Prerequisite:DIGM 15 (completed with a grade of "C" or higher) Strongly Recommended:DIGM 6A (completed with a grade of "C" or higher) , DIGM 4A (completed with a grade of "C" or higher). |
| Chaffey College | CREATING DYNAMIC WEB CONTENT USING JAVASCRIPT | Creating dynamic multimedia content using Javascript, HTML5, CSS, Canvas, and JQuery. Topics include:integrating JavaScript and HTML, coding, testing, debugging, enhancing the use of images, media, and Web Page objects; and developing online dynamic content and client-side Web applications |
| Chaffey College | Page Development and Publishing | Basic web page development using HTML (Hypertext Markup Language) and CSS (Cascading Style Sheets). Topics include web site planning, responsive Web page creation, hyperlinks, formatting, graphics, multimedia, tables, scripting, dynamic page creation, and Web publishing |
| Chapman University | A Top Private University in California | CWeb Engineering | Students explore the principles and techniques for developing and managing web applications using HTML5, CSS and JavaScript, as well as other web development frameworks such as Ruby on Rails. Students will acquire skills to develop, install, configure, customize, optimize, and troubleshoot web applications. (Offered as needed.) |
| College of San Mateo | JavaScript/Ajax Programming | Study of the JavaScript programming language. Provides an overview of HTML5 and CSS, client-side programming, variables, arrays, functions, closures, event handlers, objects, form validation, cookies, and the DOM. Introduces Ajax (Asynchronous JavaScript and XML) technologies, design patterns, server-side programming, RSS, JSON, open-source libraries, and advanced topics such as MVC frameworks, security, performance, and Web Services. Intended for students with previous programming experience |
| College of San Mateo | HTML5 and CSS | Introduction to HTML5 and CSS (Cascading Style Sheets). Covers CSS3, HTML5 elements, HTML5 APls, forms, audio and video, offline applications, Canvas drawing and animation, communication APls, Web Sockets, and Web Workers. Introduces HTML5 Geolocation, local and session storage, the Web SQL Database, and advanced topics such as mobile web applications,performance analysis, browser issues, and developer tools. Intended for students with previous programming experience |
| College of San Mateo | Frameworks/Server-Side JavaScript | Introduction to JavaScript frameworks. Provides an overview of MVC (Model-View-Controller), MVP (Model-View-Presenter) and MVVM (Model-View-ViewModel) design patterns. Server-side JavaScript programming with package managers will be introduced. Also covered are REST (REpresentational State Transfer) Web Services and APIs used to obtain and process data in XML or JSON format. Overview of JavaScript templating engines for Web applications. Various open-source libraries for DOM manipulation, GUI, visualization and testing will be introduced. Intended for students with previous programming experience. |
| College of San Mateo | PHP Programming | Comprehensive course in PHP (hypertext preprocessor scripting language). Includes writing server-side PHP scripts for the Web, procedural and object-oriented programming, forms and browser I/O, an introduction to SQL statements and the MySQL database, and advanced topics such as creating dynamic Web content with PHP and MySQL, sessions, Web services, e-commerce, and authentication with PHP. Intended for students with previous programming experience. |
| College of San Mateo | WEB PROGRAMMING: JAVASCRIPT | Introduces Javascripting for web designers, including creating animated web pages, client-side forms validation, AJAX, processing forms data, and generating dynamically updated web pages. Experience creating web pages with HTML is strongly suggested prior to taking this course. |
| College of San Mateo | PHP PROGRAMMING | Introduces programming and PHP language. Covers PHP language elements including object oriented programming (OOP). In-depth coverage of CGI programming and processing FORM elements from a web page. Additional topics include XML manipulation, data base interfaces and programming e-commerce web pages |
| College of the Siskiyous | WEB PUBLISHING I | This course covers the basic information required for publishing web pages on the World Wide Web. Topics include the HTML language, forms, and CGI scripts, Java applets, and how to post web pages onto a web server. (AA, CSU) |
| College of the Siskiyous | WEB PROGRAMMING | This course covers the fundamentals of computer programming for the World Wide Web. Interactive Web pages utilizing client side and server side methodologies will be presented. Client side programming will be covered utilizing HTML and JavaScript. Server side programming will concentrate on using the language of PHP, a hypertext preprocessor. |
| Columbia College | Web Design I | The course provides students with a working knowledge of the fundamental principles, theories, and concepts of website design and production. Students learn HTML and CSS coding, and are introduced to web design software Adobe Dreamweaver. $40 lab fee applicable to main campus day only. |
| Columbia College | Web Design II | This course goes deeper into Web concepts and techniques. Topics include advanced CSS and HTML, UX and UI design, and methods for embedding media (audio, video and commerce) into Web pages. Students will design multiple web sites |
| Concordia University Irvine | Web Design | This course introduces contemporary web design.  Students will learn basic HTML and CSS for building static web pages.  The course will include JavaScript, jQuery, Bootstrap, and JSON to build an interactive website. Students will also learn about responsive web design and user experience concepts. |
| Contra Costa College | Let's Do This | Basic Web Page Development | This course provides an introduction to web page development using static HTML and CSS. Basic “real-world” application of web pages including text, styles, graphics, links, tables, and forms using a simple text editor |
| Contra Costa College | Let's Do This | Advanced Web Page Development | This course is a continuation of CIS-166A: Basic Web Page Development. Advanced “real-world” application of Web pages including cascading style sheets (CSS), JavaScript, DHTML, XML, and multimedia using a simple text editor. |
| Copper Mountain College: CMC | WEB PUBLISHING | This course teaches students to format Web pages using Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) emphasizing the development of effective web pages. Students learn to incorporate text, color, and graphics into their Web pages. Students will examine current Web design theories and view a variety of Web sites, learning to focus on accessibility and requirements for user’s needs |
| Cosumnes River College | Algorithm Design/Problem Solving | This course covers the foundational concepts of computer languages such as C++, SQL, Visual Basic, JavaScript, PHP, and C#. Students will learn what lies underneath desktop, web, mobile, and database applications. |
| ity College of San Francisco | PHP Programming | Introduction to the open source Web scripting language PHP. Build dynamic Web applications. Semantics and syntax of the PHP language, including discussion on the practical problems that PHP solves. Write server-side cross-platform HTML-embedded scripts to implement dynamic Web pages that interact with databases and files |
| ity College of San Francisco | Advanced PHP Programming | This class covers using PHP for database connectivity to build scalable, dynamic websites. Assignments emphasize using PHP for user authentication, site personalization, content management, session tracking, and user-driven database updating. Class project demonstrates using PHP and a database (MySQL) to build a scalable, object oriented, template-based web application |
| Las Positas College | WEB DEV: HTML/CSS/JAVASCRIPT | Tis course will provide a fundamental understanding of the methods and techniques of developing a simple to moderately complex web site. Topics include: creating webpages with current standard webpage language (HTML), cascading style sheets (CSS), and Javascript. Exploration of incorporating images, audio/visual media, and interactive tools like forms and image maps. Tis course prepares apprentice Web developers to identify the information needs of a client, design appropriate WWW solutions, and implement them. Strongly Recommended: CIS 50. 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU. |
| Las Positas College | WEB PROGRAMMING - JAVASCRIPT | Develop client-side, interactive webpages using JavaScript and/or jQuery scripting languages. Write JavaScript scripts that manipulate with the JavaScript Document Object Model (DOM), control program fow, validate forms, animate images, target frames, and create cookies. Strongly Recommended: CIS 59. 2.5 hours lecture, 1.5 hours laboratory. Transfer: CSU. |
| Los Angeles City College | Hyper-Text Markup Language (HTML) | The Student learns basic internet concepts and technologies. The Student learns to develop web sites by applying concepts like tables, layers, cascading styles sheets, frame sets, image maps, lists, forms, and dynamic content using basic JavaScript |
| Los Angeles City College | Web Projects | Student learn about web development using current technology. Topics include NOSQL database, Javascript and JSON, developing single page application using Angular and using Express to handle web page routing. This will be exemplified using the MEAN stack and Students will create a meaningful capstone project. Creating web sites and apps for mobile devices using Bootstrap and ionic framework will also be covered |
| Los Angeles Harbor College | HYPER-TEXT MARKUP LANGUAGE (3) CSU Corequisite: Computer Science-Information Technology | A course on designing and implementing an Internet Web site using HTML and JavaScript. Topics covered include HTML through tables, image maps, frames, and forms; use of graphics creation software on the Internet; techniques for using graphics in a Web site; an introduction to JavaScript and creating site applications with JavaScript. Student will create and install a Web site as a project during the course. |
| Los Angeles Pierce College | Web Site Development Using HTML and JavaScript (3) CSU | Students learn client-side web programming starting with a review of the latest version of HTML and an introduction to JavaScript and DOM. Students integrate script elements, outputting to a web document, working with selections, repetition structures, writing functions; and accessibility to create dynamic web resources. |
| Los Angeles Southwest College | Microcomputer Office Applications: Web Design for the Office (3) CSU | This course provides skills to utilize advanced web design tools. Students design, build, and publish web sites using Adobe Dream Weaver, advanced HTML, the basic concepts of Java script and Java applets. Students will use graphics, style sheets, hyperlinks, tables, forms, and multimedia capabilities to create advanced web sites for the high-tech office environment. |
| Los Angeles Trade Technical College | XHTML PROGRAMMING AND APPLICATIONS | The course covers the fundamental operations of the eXtensible HyperText Markup Language (XHTML) system. It consists of projects that provide experience in the methods used to produce and modify documents for the World Wide Web. Student Learning Outcome(s): Student will design and evaluate Websites, and include the most recent multimedia elements, using XHTML markup language and its latest elements along with CSS. |
| Los Angeles Trade Technical College | INTRODUCTION TO JAVASCRIPT PROGRAMMING (3) CSU | This class provides an introduction to the use of the Java Script programming system. It emphasizes the syntax and grammar of its coding language and it is embedded into the Web page structure. The method of instruction is projects which include the design and implementation of calculations and related actions into a Web page. . Student Learning Outcome(s): Use the syntax of JavaScript programming system to create client-side scripts to interact with the user, control the browser, and alter the displayed document content |
| Marymount College | Website Design 1 | Web page layouts. Students learn the basics of HTML, CSS and Adobe Photoshop to prepare photography and create graphics for Websites. Emphasis is placed on technical proficiency, content development and design style. Basic Internet vocabulary and industry standards are covered. $150.00 lab fee required. IND/CSU AM 211 – Asian Art & Architecture (3) HHH Class hours: 3 lect |
| Menlo College | WEB PAGE DESIGN | WEB PAGE DESIGN |
| Mission College | PROGRAMMING IN JAVASCRIPT | Introduces JavaScript to Web developers with HTML and CSS background who want to create dynamic Web pages and to Server-side programmers who use languages like ASP, JSP, or PHP and would like to add JavaScript programming to their skill sets. Students integrate script elements, outputting to a web document, working with selections, repetition structures, writing functions; and accessibility to create dynamic web applications. |
| Modesto Junior College | SCRIPT PROGRAMMING FOR THE WEB | Developing World Wide Web applications with HTML and scripting tools such as python, javascript, ruby and perl. An introduction to creating interactive HTML documents through manipulation of the WWW DOM (Document Object Model). Designing Webbased applications, validating and processing user input, creating dynamic documents utilizing DHTML. Extensive programming projects demonstrating problem solving and implementation skills will be assigned throughout the semester. Hands-on computer assignments required. Field trips might be required. Not repeatable. (A-F or P/NP) |
| Moreno Valley College | Web Programming: JavaScript | Description: Fundamentals of JavaScript programming for the world wide web for students already familiar with the fundamentals of programming and HTML. Language features will include control structures, functions, arrays, JavaScript objects, browser objects and events. Web applications will include image rollovers, user interactivity, manipulating browser windows, form validation and processing, cookies, creating dynamic content, and Dynamic HTML programming. 54 hours lecture and 18 hours laboratory. (TBA Option) (Letter Grade, or Pass/No Pass option.) |
| Moreno Valley College | Web Programming: Active Server Pages | Description: Fundamentals of server-side Web programming using Active Server Pages (ASP) for students already familiar with the fundamentals of programming and HTML. Language features will include control structures, functions, arrays, collections, objects, and events. Focus on server-side programming to generate dynamic web content and database acce |
| Mt Sierra College | Web Design 2 and Lab | This course moves deeper into the world of modern web design by introducing dynamically driven web pages. From animating galleries to dynamic navigational systems, students gain an understanding of both JavaScript and jQuery to create a more dynamic user experience. Emphasis is on creating aesthetically pleasing websites that uphold modern user experience standards. Language specifics and form management are also examined. The course continues to explore HTML, CSS, asset management, design considerations, remote hosting, and live publishing (FTP) as introduced in Web Design 1. |
| Mt Sierra College | | Web Design | This course is an introduction to the world of Web Design. From building web pages, integrating media, optimizing web imagery, to publishing sites for live viewing– students will gain the foundation necessary to begin creating web projects that are well-formed and meet the modern demands of a rapidly growing industry |
| Mt. San Jacinto Community College District | Web Development - Level 1 | This course teaches students the basic skills needed to create a Web page with an emphasis on the Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). Students are also introduced to, the Hypertext Transfer Protocol (HTTP), Uniform Resource Locators (URLs), how to write code using an integrated development environment (IDE), and publishing to a Web server using the file transfer protocol (FTP). |
| Napa Valley College | Web Development: HTM | This class will cover Hypertext Markup Language and Extensible Hypertext Markup Language and its use in creating documents for the World Wide Web. Related topics such as Uniform Resource Locators, Multimedia, and Frames will be introduced. |
| Napa Valley College | Web Development: Javascript | This class will take an in depth look into using JavaScript and AJAX to create interactive web sites. Web forms, how to tailor web pages across multiple browser platforms, menus, cookies, pop-ups, rollovers, and more will be explored. |
| Ohlone Community College | JavaScript for Web Development | This hands-on JavaScript programming course provides the knowledge necessary to design and develop dynamic web pages using HTML, CSS, JavaScript, and jQuery. The lessons familiarize the student with the basics of JavaScript, then move on to jQuery, the most popular JavaScript library, taking web programming to the next level of interactivity and ease of use. |
| Ohlone Community College | XHTML | Students will use XHTML to create multimedia web pages using hypertext links, tables, frames, forms, cascading style sheets (CSS), JavaScript, and JavaScript objects and events. Other topics include Dynamic Hypertext Markup Language (DHTML) techniques and working with eXtensible Markup Language (XML) and eXtensible Stylesheet Language (XSL). (GC) |
| Orange Coast College | Computer Information Systems — Introduction to JavaScript | For students who already know how to create Web pages using HTML, this course introduces the fundamentals of JavaScript, a scripting language used to create interactive Web pages. Students will create dynamic Web pages using dialog boxes, forms, menus, rollover buttons, and image manipulation. This course may also be offered online. May be taken for grades or on a pass/ no-pass basis. Lecture, Lab. |
| Orange Coast College | Computer Information Systems — Web Page Design 2 — | : Computer Information Systems A123. This course covers creating and using Cascading Style Sheets for formatting web pages. Intended for students who know how to create web pages using HTML. This course may also be offered online. Lecture, Lab. |
| Orange Coast College | Computer Information Systems — Web Page Design 1 — 2 units | This course covers creating and using Cascading Style Sheets for formatting web pages. Intended for students who know how to create web pages using HTML. This course may also be offered online. Lecture, Lab. |
| Palo Verde College | WEB PAGE DESIGN USING HTML | This course will provide a practical understanding of HTML (Hypertext Markup Language) to design a Web Page. Notepad and other software tools will be used to teach text formatting commands, background formatting, hyperlinks, e-mail links, tables, forms, image maps, and frames. Students will also learn various types of images, videos, and sound files into a Web Page |
| Pasadena City College | WEB DESIGN AND DEVELOPMENT | Introduction to the design and creation of websites. Exploration of usability, interface, navigation, and information design as well as creation of dynamic content in websites. Use of HTML, CSS, CMS, and PHP/MySQL to explore simple to complex interactive projects for the Web. Creation of a “real world” website designed in an interdisciplinary team environment. Emphasis on project management and conceptual skills that comprise welldesigned websites; an interdisciplinary course. Total of 36 hours lecture and 72 hours laboratory. |
| Pepperdine University | Programming Principles I with Javascript ( | Introduction to programming with the JavaScript language. Data classes: number, string, and boolean. HTML/CSS interface. Programming constructs: sequential, conditional, iterative, nested conditional, nested iterative. Run-time analysis. Functions: parameter passing mechanisms, function libraries. Data structures: one- and two-dimensional arrays, objects. |
| Platt College Los Angeles | Introduction to Website and Mobile Development | In this course, students will learn the fundamentals of Web Design using HTML5, and CSS3 and Basic Mobile App Development using LiveCode Authoring software. Topics will span the history of HyperText Markup Languages, Internet Publishing, Object-Oriented Programming and UserInterface/User-Experience (UI/UX) Design trends. Emphasis will be placed on the key concepts of Coding using Markup Languages, Integrated Development Environments/Authoring System, and User-Friendly Interface Design. Students will publish their multimedia portfolio as both a standards-compliant HTML5/CSS3 website coded by hand as wel |
| Platt College Los Angeles | Introductory Web Design | This course provides an introduction to many basic concepts, issues and techniques related to designing, developing and deploying web sites. Emphasis is placed on the importance of organizing and preparing graphics and content for the web. Students will the learn the fundamentals of HTML, and Cascading Style Sheets (CSS). Design principles, typography and grid systems will be presented as foundations for effective site development. Students will also build their understanding of print design by creating an editorial layout for both print and web |
| Platt College San Diego | – Foundations of Coding | This course provides students with the fundamentals of software coding. Topics include an introduction to programming structures, and industry-standard programming languages such as HTML, CSS, Java, and Javascript. |
| Platt College San Diego | – Foundations of Coding II | This course provides students with the fundamentals of software coding. Topics include an introduction to programming structures, and industry-standard programming languages such as HTML, CSS, Java, and Javascript. |
| Reedley College | ADVANCED INTERNET CONCEPTS AND DESIGN | This course provides a hands-on exploration in cutting edge HTML techniques needed to enhance web pages with frames, targets, columns, image maps, and META tags. The course will review the roles of the latest technologies such as ASP, JavaScript, and Java. Students will create HTML forms, write ASP web pages for interactivity, and process information submitted via form. (A, CSU) |
| Reedley College | WEB DEVELOPMENT WITH HTML | Introductory to Web Development course using web authoring software and HTML. Emphasis is on production, design and usability. Students will apply skills and concepts to plan, develop and upload a small website. (A, CSU) |
| Ridgecrest, California | Web Scripting with JavaScript | This course provides students with the skills to create interactive web  Cerro Coso Community College | 2017-2018 Catalog 119 Course Descriptions pages with JavaScript. Students learn principles of the JavaScript language. Practical application of JavaScript includes navigation rollover effects, manipulating windows, manipulating form data, validating forms, and creating drop down menus. Students must be proficient in Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) to be successful in this class. 36 hours lecture/54 hours laboratory |
| Ridgecrest, California | Web Development with PHP and MySQL | This course provides students with the skills to create dynamic web pages with PHP Hypertext Preprocessor (PHP) and Structured Query Language (MySQL). Practical applications of PHP include web form data processing and work with MySQL databases using sessions. Students must have existing proficiency in Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) and have an understanding of basic programming concepts to be successful in this class. 36 hours lecture/54 hours laboratory. |
| Ridgecrest, California | Web Scripting with JavaScript | This course provides students with the skills to create interactive web pages with JavaScript. Students learn principles of the JavaScript language. Practical application of JavaScript includes navigation rollover effects, manipulating windows, manipulating form data, validating forms, and creating drop down menus. Students must be proficient in Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) to be successful in this class. 36 hours lecture/54 hours laboratory. |
| Riverside City College | Web Programming: JavaScript | Fundamentals of JavaScript programming for the world wide web for students already familiar with the fundamentals of programming and HTML. Language features will include control structures, functions, arrays, JavaScript objects, browser objects and events. Web applications will include image rollovers, user interactivity, manipulating browser windows, form validation and processing, cookies, creating dynamic content and Dynamic HTML programming. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.) |
| Sacramento City College | Web Design I | Students will explore theory and processes involved in designing various types of websites using an industry-standard CMS (content management system). Through a series of incremental lectures, reading, and assignments, students will explore theory and processes involved in online communications and integration of online tools, culminating in the development of a live / functional website. This course provides an overview of HTML and CSS, usability (UI/UX), project and client management, preparing images for screens, marketing via social media, prototyping, and responsive design. Students will be required to have or purchase web hosting and a domain nam |
| Sacramento City College | Web Design II | In this course, career-minded students will explore advanced concepts of website communications, applying user-centered design principles to improve interactive features. Using an industry-standard CMS (content management system), students will learn to add extensions to the core features, advanced theme customization with CSS, child themes, and customized functions and layouts. Students will improve interaction with users through social media and email marketing, eCommerce, advanced forms and surveys, targeted SEO, and event calendars. Students who complete this course will have the ability to create and manage complex website systems and tools. Students will be required to have |
| Saddleback College | WEB DESIGN: CAPSTONE PORTFOLIO PROJECT | the mastery of the learning objectives in the Webmaster, Web Designer, or E-Commerce Specialist programs. Guides the student through the process of developing a portfolio. Focuses on demonstration of the knowledge, skills, and techniques required to plan, develop, and implement a portfolio website on the World Wide Web (WWW). Includes discussion on advanced Flash sites, CSS sites, Adobe Creative Suite, Adobe Dreamweaver, RWD, SEO, image viewers, and use of various technologies to develop a portfolio website. Also includes comprehensive review of basic concepts covered in certificate courses: Dreamweaver, HTML, CSS, JavaScript, SQL and PHP. Should be taken in the final semester of the program (formerly CIM 298). NR |
| Saddleback College | WEB DEVELOPMENT: JAVASCRIPT, FRAMEWORKS, JQUERY AND AJAX | Client-side World Wide Web (WWW) development using JavaScript and JavaScript Frameworks including: jQuery, jQuery UI (User Interface), jQuery Mobile and introduction to Asynchronous JavaScript and XML (AJAX). Includes an overview of basic JavaScript programming: data types, operators, functions, events, control structures, Browser Object Model, Window Object Model, Document Object Model, HTML forms, JavaScript regular expression validation, Web browser debugging, cookies, CSS style object, and website mashups using AJAX (formerly CIM 269B and CIMW 260). NR |
| Saddleback College | AJAX–ADVANCED JAVASCRIPT WITH XML | Provides students with the knowledge and skills necessary to use JavaScript, XML, and server-side languages to develop dynamic Web-based applications. Topics of study include the use of asynchronous JavaScript, the Document Object Model, XML in Web page requests, server-side languages (e.g. PHP, Java) to query and return information from a relational database, and how to design and develop new AJAX applications (formerly CIM 231). NR |
| San Diego Mesa College | Javascript Fundamentals for Web Development 1 | This course is a practical study of Javascript and jQuery for Web development. Students use Javascript and jQuery in the Web Page creation process to enhance the user experience. This course is designed for students and professionals who wish to develop skills in Javascript and jQuery. (FT) AA/AS; CSU |
| San Diego Mesa College | 2 Beginning Web Development: HyperText Markup Language ( | 2 Beginning Web Development: HyperText Markup Language ( |
| San Joaquin Delta College | - HTML for Web Publishing | This course is designed to provide the student an understanding of the basic Hypertext Markup Language (HTML) code required to construct web pages. The student learns and applies text formatting, links, tables, image maps, forms and frames, multimedia integration, and cascading style sheets. (CSU) |
| San Joaquin Delta College | - JavaScript Programming | This course is an introduction to JavaScript programming. Topics include using JavaScript to add functionality to web pages, create dynamic web pages, and implement web page interactivity. Laboratory projects include integrating JavaScript into HTML files to create special functions such as, creating pop-up windows, adding scrolling messages, adding images and forms, creating and modifying cookies, using frames and objects, and detecting keystrokes in a browser. (CSU) |
| San Joaquin Valley College Online | Introduction to Web Design | This course is designed to provide the student with the knowledge and skills needed to create, edit, and management web sites. This course examines developing and enhancing web sites using HTML and CSS, site layout planning and navigation, typography, colors, images, and data tables. It also explores creating web sites across different operating systems, browsers, and devices. |
| San Joaquin Valley College Online | JavaScript Programming | This course is designed to provide the student with the knowledge and skills needed to use the JavaScript programming language for developing web applications. Topics include developing applications for touchscreen and mobile devices, using the jQuery library, building arrays, working with forms and strings, and using object-oriented JavaScript. |
| Santa Ana College |  | Students will be introduced to the syntax of JavaScript, the methods used to incorporate JavaScripts into HTML documents, and using JavaScripts to create interactive forms. Students will also learn to enhance Web pages through the use of interactive programming utilizing forms, frames, documents, Windows, loops, strings, and cookies. CSU |
| Santa Monica College | Web Design 3 | This advanced project-based web design course builds on the design concepts and technical knowledge acquired in Graphic Design 66 and focuses on designing and building a commercial-quality website. Working in teams, students will participate in the design and production of a mediumsized website. Students will go through the design process from research to launch and discuss how to best work with a client. Technical issues addressed include HTML and CSS, content management systems, responsive design, and site maintenance. Students will conceptualize, desig |
| Santa Monica College | Javascript Programming | This introductory programming course teaches the fundamentals of computer programming with the JavaScript language, the standard for client-side Web programming. It offers a thorough treatment of programming concepts with programs that yield visible or audible results in Web pages and Web-based applications. It shows how to use Core and Client-Side JavaScript and the Document Object Model to build interactive, high-performance Web sites. This course uses JavaScript which is open-source (free) software |
| Shasta College | WEB PROGRAMMING | This course covers programming concepts and projects related to websites, cloud based software and more. In this course students will be introduced to Java, PHP, HTML and more. Java is a platformneutral, object-oriented, and secure programming language that is quickly becoming the standard programming language for creating interactive content on the World Wide Web (WWW). PHP (Hypertext Preprocessor) is a programming language that allows web developers to create dynamic content that interacts with databases. PHP is basically used for developing web-based software applications. HTML is replacing Adobe Flash to create content for web applications, games and movies, and content for mobile phones and other embedded devices. This course covers Introductory Java Applets, PHP Scripting, and HTML programming. This course may be offered in a distance education format. |
| Shasta College | ADVANCED WEB DESIGN | This advanced course in Web Design will address creating complex web pages, incorporating HTML and web programming, creating templates, and adding advanced features, such as eCommerce sites, back-end databases, Google Analytics, Videos, SEO and more. A basic knowledge of these areas is required. This course may be offered in a distance education format. (CSU transferable) |
| Shasta College | HTML – | HTML – |
| Sierra College | Web Programming I | coverage of HyperText Markup Language (HTML), Cascading Style Sheets (CSS), and Extensible HyperText Markup Language (XHTML). Designed to bring students up to the necessary skill and knowledge level for an intermediate Web programming course. (CSU |
| Sierra College | Beginning Web Publishing 3 units with HTML | Fundamentals of web publishing using HTML, covering design, writing, and maintenance of webpages. Emphasis on real-life informational and interactive presentation to include testing, revising, and maintenance of web presentations on the World Wide Web. |
| California Virtual Campus | Web Design Using HTML | This course provides students with the skills needed to create web pages using the latest version of HTML. Students will also be introduced to CSS modeling and JavaScript to create custom web pages for personal and professional environments.The laboratory component provides the student with expanded first-hand experience in specific areas of course content. |