动态网页设计　教学大纲

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Dynamic Web Design	
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HTML5　　　7　　　　　　　　　　（　）Terry Felke-Morris　　　　　　，　2017　8　，ISBN　9787302478089

1. HTML5+CSS3　　　　　　　　　　2　　　　　　　　　　　　　　（　2　2018　01　2
2. HTML5　CSS3　RWD　jQuery Mobile　　　　　　　　　　　2016　1　1
3. HTML5+CSS3+JavaScript　　　　　　　　　　2017　7
4. Web Development & Design Foundation with HTML5, 8th Edition by Terry Felke-Morris http://www.pearsonhighered.com/felke-morris

动态网页设计		**HTML** **CSS**	
web			
		HTML	**JavaScript**
WEB			
1 **WEB**			
2 **Internet WWW HTTP HTML**			
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	Introduction to the Internet and World Wide Web	**时维宁**	2	[ ] Describe the evolution of the Internet and the Web Explain the need for web standards Describe universal design Identify benefits of accessible web design Identify reliable resources of information on the Web Identify ethical use of the Web			

				[　　　]Describe the purpose of web browsers and web servers Identify networking protocols Define URIs and domain name Describe HTML, XHTML, and HTML5　Describe popular trends in the use of the Web 　　　　　　　　　　　Internet and World Wide Web				
	HTML Basics	时维宁	2	[　　　] Describe HTML, XHTML, and HTML5 Identify the markup language in a web page document　Use the html, head, body, title, and meta elements to code a template for a web page　Configure the body of a web page with headings, paragraphs, line breaks, divs, lists, and blockquotes　Configure text with phrase elements				二

				[ ] Configure special characters Use the new HTML5 header, nav, main, and footer elements Use the anchor element to link from page to page Create absolute, relative, and e-mail hyperlinks Code, save, and display a web page document Test a web page document for valid syntax HTML Basics				
	Configuring Color and Text with CSS	时维宁	2	[ ] Describe the evolution of style sheets from print media to the Web List advantages of using Cascading Style Sheets Configure background and text color on web pages Create style sheets that configure common color and text properties				

| | | | | [   ] Apply inline styles　Use embedded style sheets　Use external style sheets　Configure element, class, id, and descendant selectors　Utilize the　cascade　in CSS　Validate CSS

Configuring Color and Text with CSS | | | | |
| | Visual Elements and Graphics | 时维宁 | 2 | [   ] Create and format lines and borders on web pages Decide when to use graphics and what graphics are appropriate Apply the image element to add graphics to web pages Optimize an image for web page display　Configure images as backgrounds on web pages Configure images as hyperlinks　Configure rounded corners, box shadow, text shadow, opacity, and gradients | | | | 二 |

			with CSS3　Configure RGBA color with CSS3 [　　] Configure HSLA color with CSS3　Use HTML5 elements to caption a figure Use the HTML5 meter and progress elements　Find free and fee-based graphics sources Follow recommended web design guidelines when using graphics on web pages 　　　　　　Visual Elements and Graphics				
	Web Design	时维宁	2	[　　] Describe the most common types of website organization　Describe the principles of visual design Design for your target audience　Design clear, easy-to-use navigation　Improve the				二

				readability of the text on your web pages				
				[ ] Use graphics appropriately on web pages Apply the concept of universal design to web pages Describe web page layout design techniques Apply best practices of web design				
				Web Design				
Page Layout		时维宁	2	[ ] Describe and apply the CSS Box Model Configure margins with CSS Configure float with CSS Configure positioning with CSS Create two-column page layouts using CSS Configure navigation in				

				classes　Configure an interactive image gallery　Configure web pages with HTML5 structural elements, including section, article, and aside　Configure older browsers to be compatible with HTML5 Page Layout				
	More on Links, Layout, and Mobile	时维宁	2	[　　] Code relative hyperlinks to web pages in folders within a website　Configure a hyperlink to a named fragment internal to a web page　Provide for accessibility by configuring ARIA landmark roles for structural HTML elements Configure images with CSS sprites　Configure a three-column page layout using CSS Configure CSS for printing Describe mobile design best practices				

				[ ] Configure web pages for mobile display using the viewport meta tag Apply responsive web design techniques with CSS3 media queries Apply responsive image techniques including the new HTML5 picture element Apply the new CSS3 Flexbox layout model Links, Layout, and Mobile			
	Tables	**时维宁**	2	[ ] Describe the recommended use of a table on a web page Create a basic table with the table, table row, table header, and table cell elements [ ] Configure table sections with the thead, tbody, and tfoot elements Increase the accessibility of a table Style an HTML table with CSS			

				Describe the purpose of CSS structural pseudo-classes Tables				
13		时维宁	3					
	Forms	时维宁	2	[ ] Describe common uses of forms on web pages Create forms on web pages using the form, input, textarea, and select elements Create forms that provide additional accessibility features using the accesskey and tabindex attributes Associate form controls and groups using the label, fieldset, and legend elements Create custom image buttons and use the button element Use CSS to style a form [ ] Configure the new HTML5 form controls, including the e-mail address, URL, datalist, range, spinner, calendar, and color controls Describe the				

| | | | | features and common uses of server-side processing   Invoke server-side processing to handle form data   Find free server-side processing resources on the Web

Forms | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Web Development | 时维宁 | 2 | [   ] Describe the skills, functions, and job roles needed to develop a successful web project   Utilize the stages in the standard System Development Life Cycle   Identify other common system development methodologies   Apply the System Development Life Cycle to the development of web projects   Identify opportunities and determine goals during the Conceptualization phase   Determine information topics and site requirements during the Analysis phase   Create the site map, page layout, prototype, and | | | | |

				documentation as part of the Design phase				
				[ ] Complete the web pages and associated files during the Production phase Verify the functionality of the website and use a test plan during the Testing phase Obtain client approval and launch a website Modify and enhance the website during the Maintenance phase Compare the goals of the website to the results as part of the Evaluation phase Find the right web hosting provider for your website Choose a domain name for your website				
				Web Development				
	Web Multimedia and Interactivity	**时维宁**	2	[ ] Describe the purpose of plug-ins, helper applications, media containers, and codecs Describe the types of multimedia files used on the Web				

				Configure hyperlinks to multimedia files Configure audio and video on a web page with HTML5 elements Configure a Flash animation on a web page Configure a Java applet on a web page Create an interactive drop down navigation menu with CSS				
				[ ] Configure the CSS3 transform and transition properties Describe features and common uses of JavaScript Describe the purpose of HTML5 APIs such as geolocation, web storage, offline web applications, and canvas Describe features and common uses of Ajax Describe features and common uses of jQuery Locate Flash, Java applets, JavaScript, Ajax, and jQuery resources on the Web				
				Web Multimedia and Interactivity				

	E-commerce overview	**时维宁**	2	[ ] Define e-commerce Identify the benefits and risks of e-commerce Describe e-commerce business models Describe e-commerce security and encryption [ ]Define Electronic Data Interchange (EDI) identify trends and projections for e-commerce Describe issues related to e-commerce Describe options for order and payment processing E-commerce				
	Web Promotion	**时维宁**	2	[ ]Identify commonly used search engines and search indexes Describe the components of a search engine				

				Design web pages that are friendly to search engines [ ] Submit a website for inclusion in a search engine or search directory Monitor a search engine listing Describe other website promotion activities Use the iframe element to create an inline frame Web Promotion			
		A Brief Look at JavaScript and jQuery	**时维宁**	2	[ ] Describe common uses of JavaScript in web pagesDescribe the purpose of the Document Object Model (DOM) and list some common events Code JavaScript methods, properties, and event handlers Use JavaScript variables, operators, and the if control structure			

				[　　]Create a basic JavaScript form data validation script Describe common uses of jQuery　Describe how to obtain jQuery　Use jQuery selectors and methods Configure an image gallery with jQuery　Describe the purpose of jQuery plugins JavaScript and jQuery			
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