

Lesson Plans

Approximately 20.5 hours of assessments, videos, labs, and projects

Domain 1 Lesson Plan

Domain 1 - Working in the Web Industry [approximately 5.25 hours of videos, labs, and projects]				
Lesson	Lesson Topic and Subtopics	Objectives	Exercise Labs	Workbook Projects and Files
Pre-Assessment Assessment time - 01:00:00	Working in the Web Industry: Pre-Assessment			
Lesson 1 Video time - 00:19:12 Exercise Lab time - 00:15:00 Workbook time - 00:45:00	<u>Purpose, Audience, Communication, and Permissions</u> Introduction How to Study for This Exam Determining Relevant Content Design Phase Project Management Terms Project Management Concepts Project Life Cycle Copyright, Permissions, and Licensing Obtaining Permissions	1.1 Identify the purpose, audience, and audience needs for a website 1.1 a Determine whether content is relevant to the purpose, audience, and audience needs 1.1 b Demonstrate knowledge of techniques for communicating ideas about expected outcomes with peers and clients 1.2 Communicate with colleagues and clients throughout the project 1.2 a Demonstrate knowledge of techniques for communicating ideas about expected outcomes with peers and clients 1.2 b Demonstrate knowledge of basic project management concepts 1.3 Demonstrate an understanding of the type of permissions required to use specific content 1.3 a Identify legal and ethical considerations for using third-party assets such as copyright, permissions, and licensing 1.3 b Identify when and how to obtain permissions in order to use code and content	Communication Ideas and Outcomes Project Management Concepts Copyright Terms	Determining Relevant Content – pg. 8 N/A Design Phase – pg. 9 N/A Project Management Terms – pg. 10 N/A Obtain and Understand Permissions – pg. 12 N/A
Lesson 2 Video time - 00:24:15 Exercise Lab time - 00:20:00 Workbook time - 01:05:00	<u>Key Technologies, Design Principles, and Best Practices</u> Internet Terms SEO Sitemaps Security Concepts CAPTCHA and Attacks External Links HTML, CSS, and JavaScript Responsive Web Design Design Elements User Experience User Interaction Design Principles Input Types	1.4 Demonstrate an understanding of key technologies related to web design and development 1.4 a Demonstrate an understanding of key technologies related to web design and development 1.4 b Demonstrate fundamental knowledge of search engines and search engine optimization 1.4 c Demonstrate fundamental knowledge of web security concepts 1.4 d Demonstrate knowledge of key web development concepts 1.5 Demonstrate knowledge of basic design principles and best practices employed in the industry 1.5 a Communicate visually using user interface elements and design techniques 1.5 b Identify user experience design techniques and practices 1.5 c Identify user interaction design techniques and practices	Internet Terms Design Elements Design Techniques User Experience	Internet Terms – pg. 14 N/A SEO – pg. 15 N/A Security Concepts – pg. 16 N/A Web Development Concepts – pg. 17 N/A Design Elements – pg. 18 N/A User Experience – pg. 19 N/A User Interaction Design Principles – pg. 20 N/A
Post-Assessment Assessment time - 01:00:00	Working in the Web Industry: Post-Assessment			

Domain 2 Lesson Plan

Domain 2 - Project Setup and Interface [approximately 5.5 hours of videos, labs, and projects]				
Lesson	Lesson Topic and Subtopics	Objectives	Exercise Labs	Workbook Projects and Files
Pre-Assessment Assessment time - 01:00:00	Project Setup and Interface: Pre-Assessment			
Lesson 1 Video time - 00:12:43 Exercise Lab time - 00:35:00 Workbook time - 00:35:00	<u>Create a New Site</u> Site Options Site Definition New Pages for Project Needs Creating Pages Customizing Templates	2.1 Create a new site with the appropriate settings 2.1 a Set appropriate options for defining a new site 2.1 b Create a new page for specific project needs	Site Setup Setting Up a Server Setting Page Preferences Setting Up a New Document Saving a File as a Template Altering Template Regions Applying Template Changes	Site Options and Definitions – pg. 23 The Music Store folder Create a New Page – pg. 24 Index.html Customizing Templates – pg. 25 template.dwt
Lesson 2 Video time - 00:10:29 Exercise Lab time - 00:10:00 Workbook time - 00:30:00	<u>Navigate, Organize, and Customize the Workspace</u> Dreamweaver Interface Workspace Organization and Customization Configure Application Preferences	2.2 Navigate, organize, and customize the application workspace 2.2 a Identify and manipulate elements of the Dreamweaver interface 2.2 b Organize and customize the workspace 2.2 c Configure application preferences	New Workspace Interface Preference	Dreamweaver Interface – pg. 26 template.dwt Workspace Organization and Customization – pg. 27 template.dwt Configure Application Preferences – pg. 28 template.dwt
Lesson 3 Video time - 00:10:41 Exercise Lab time - 00:35:00 Workbook time - 00:35:00	<u>Non-Visible Design Tools and Manage Assets</u> Viewing Options Site Navigation Add and Organize Assets Configure Assets	2.3 Use non-visible design tools in the interface to aid in project workflow 2.3 a Configure content viewing options 2.3 b Navigate a site 2.4 Manage assets in a project 2.4 a Add and organize assets 2.4 b Configure assets in a project	Zoom In Real-Time Preview Create a New Folder Organizing Files Extract Panel Uploading Files View Remote Server	Viewing Options – pg. 19 template.dwt Site Navigation – pg. 30 template.dwt Add and Organize Assets – pg. 31 template.dwt Configure Assets – pg. 32 template.dwt
Post-Assessment Assessment time - 01:00:00	Project Setup and Interface: Post-Assessment			

Domain 3 Lesson Plan

Domain 3 - Organizing Content on a Page [approximately 2.75 hours of videos, labs, and projects]				
Lesson	Lesson Topic and Subtopics	Objectives	Exercise Labs	Workbook Projects and Files
Pre-Assessment Assessment time - 01:00:00	Organizing Content on a Page: Pre-Assessment			
Lesson 1 Video time - 00:16:31 Exercise Lab time - 00:15:00 Workbook time - 00:10:00	Page Structure and Design Concepts View, Edit, and Manage Structure Design for Multiple Devices	3.1 Organize page structure 3.1 a View, edit, and manage the structure of a page 3.2 Apply responsive and adaptive design concepts 3.2 a Design a webpage that works well on multiple devices	Adding an Element Changing Window Size Unit Types	View, Edit, and Manage Structure – pg. 35 products.html Design for Multiple Devices – pg. 36 products.html style.css
Post-Assessment Assessment time - 01:00:00	Organizing Content on a Page: Post-Assessment			

Domain 4 Lesson Plan

Domain 4 - Working with Code to Create and Modify Content [approximately 3.25 hours of videos, labs, and projects]				
Lesson	Lesson Topic and Subtopics	Objectives	Exercise Labs	Workbook Projects and Files
Pre-Assessment Assessment time - 01:00:00	Working with Code to Create and Modify Content: Pre-Assessment			
Lesson 1 Video time - 00:24:53 Exercise Lab time - 00:45:00 Workbook time - 01:00:00	Using HTML HTML, HEAD, BODY, and DIV Tags Block vs. Inline Elements Headings, Paragraphs, and Lists EM, STRONG, BR, BLOCKQUOTE, SPAN Adding Images to a Webpage Manipulating Images Adding Video to a Webpage Adding Audio to a Webpage Hyperlinks Creating Hyperlinks Add Named Anchor	4.1 Organize and display content using HTML 4.1 a Identify the appropriate use of <html>, <body>, and <div> tags 4.1 b Differentiate between block and inline elements 4.1 c Format content using headings, paragraphs, and lists 4.1 d Insert and manipulate images, video, and sound, and animation 4.1 e Create, manage, and edit hyperlinks	Create a New Webpage Add a Block-Level Element Change Heading Format Tag Uses Insert an Image Add Alternate Text Insert a Video Adding a Hyperlink Utilizing a Named Anchor	Using <html>, <head>, <body>, and <div> Tags – pg. 40 N/A Headings, Paragraphs, and Lists – pg. 41 example.html Adding and Manipulating Images on a Webpage – pg. 42 drum.jpg Adding Video and Audio to a Webpage – pg. 43 Jukebox.html Blues.mp4 Happy.mp4 drum.jpg Create, Manage, and Edit Hyperlinks – pg. 44 template.dwt
Lesson 2 Video time - 00:08:34 Exercise Lab time - 00:20:00 Workbook time - 00:25:00	Table and Semantic Elements HTML Tables Adding Tables Inserting Content into Tables Semantic Basics Adding Semantic Elements	4.2 Apply table and semantic elements to describe content 4.2 a Display and organize information using tables 4.2 b Display and organize information using other basic semantic elements	Create a Table Add Content to a Table Semantic Element Uses Add Semantic Elements	Display and Organize Information Using Tables – pg. 46 N/A Adding Semantic Elements – pg. 47 Index.html
Lesson 3 Video time - 00:24:54 Exercise Lab time - 00:25:00 Workbook time - 01:10:00	Styling Through CSS Configure Initial Page Properties Manage Fonts CSS Designer Panel Types of Style Sheets Link vs. Import CSS Selectors CSS Declarations Adding CSS Properties Positioned Tags	4.3 Style a webpage using CSS 4.3 a Configure initial page properties 4.3 b Manage fonts 4.3 c Create and manage CSS rules using the CSS rules using the CSS Designer panel 4.3 d Create and use inline styles, internal styles, and external style sheets 4.3 e Create and modify selectors that reference specific HTML elements 4.3 f Apply common CSS declarations 4.3 g Organize a webpage layout with relatively and absolutely positioned div tags and CSS styles	Page Properties Dialog Box Change Font HTML Styles Element Positioning Adjusting CSS Properties	Configure Initial Page Properties – pg. 48 N/A Manage Fonts – pg. 49 thankyou.html CSS Designer Panel – pg. 50 N/A Types of Style Sheets – pg. 51 thankyou.html style.css CSS Selectors – pg. 52 N/A CSS Declarations – pg. 53 N/A Adding CSS Properties – pg. 54 lessons.html styles.css tabs.js Positioned Tags – pg. 55 lessons.html lessons.jpg template.dwt
Lesson 4 Video time - 00:13:14 Exercise Lab time - 00:30:00 Workbook time - 00:55:00	Interactivity Using JavaScript Create a Form, Select Elements Text Fields Text Areas and Check Boxes Submitting Forms Styling Forms Canvas and Snippets	4.4 Add interactivity using JavaScript 4.4 a Create and manage forms 4.4 b Add interactivity to a webpage	Insert a Form Insert a Form Element Add a Text Field Add a Text Area Add a Submit Button Add a Canvas Element	Create and Manage Forms – pg. 56 contact.html Text Fields – pg. 57 contact.html Text Areas – pg. 58 contact.html Form Submission – pg. 59 contact.html Canvas and Snippets – pg. 60 N/A
Post-Assessment Assessment time - 01:00:00	Working with Code to Create and Modify Content: Post-Assessment			

Domain 5 Lesson Plan

Domain 5 - Publishing Digital Media [approximately 3.75 hours of videos, labs, and projects]				
Lesson	Lesson Topic and Subtopics	Objectives	Exercise Labs	Workbook Projects and Files
Pre-Assessment Assessment time - 01:00:00	Publishing Digital Media: Pre-Assessment			
Lesson 1 Video time - 00:17:17 Exercise Lab time - 00:40:00 Workbook time - 00:40:00	Prepare Images for Export Set Up for Testing and Publishing Check for Errors Validation Check Reports and Cleanup Site Review Save Webpages Publishing a Website	5.1 Prepare project for publishing 5.1 a Set up for testing and publishing 5.1 b Check project for errors and project specifications 5.2 Publish a website 5.2 a Save webpages 5.2 b Publish a live site	Setting Up an Upload Spell Check Create an XML Sitemap Validation Check Clean Up HTML Site Review Save As Upload to a Server	Set Up for Testing and Publishing – pg. 63 index.html Project Specifications and Check for Errors – pg. 64 index.html sitemap.xml Reports and Cleanup for a Site Review – pg. 65 index.html Save Webpages – pg. 66 N/A Publish a Live Site – pg. 67 index.html
Post-Assessment Assessment time - 01:00:00	Publishing Digital Media: Post-Assessment			