

Table of Contents

Essential Course Information

Course Structure	3
Brief Summary	3
System Requirements.....	5
Important Note: Software Validation for Students in England, Wales and Northern Ireland.....	6
Important Note: Software Validation for Scottish Students.....	8

Trial Software, Installation and Activation

Trial Software	12
Software Validation/Activation	14

Unit 1: Fundamentals of the World Wide Web

Understanding the Web—Basic Internet Terminologies.....	17
What is HTML?	17
Getting Connected	18
A Quick Tour of Internet Explorer	21
Title Bar.....	22
Menu Bar.....	22
Viewing Favorites.....	28
Viewing Searches	30
The Standard Buttons Toolbar.....	36
The Status Bar	38
Main Body	38
Conclusion	39
Getting a Handle on HTML	40
HTML Tags	40
Attributes and Styles	42
What You See Is What You Get	48
Conclusion	50
Project 1-1: Viewing Source Codes	51
Step-by-Step Learning Check.....	51
Project Summary.....	52
Assignment 1: Learn Basic HTML	53
Step by Step.....	54

Unit 2: Planning and Organising Your Website

Planning Your Site from the Ground Up	62
Identify the Target Audience	62
Planning for a Teacher's Website	64
Planning Guide for All Cool Games	65
Planning Guide for Caribe Travel Services.....	66
Planning Site Content	68
Creating a Site Map	69
Understanding Paths and Site Structure.....	70
Project 2-1: Creating a site structure	73
Step-by-Step	73
Project Summary.....	74

Building a Website in Dreamweaver	74
Project 2-2: Defining a Website in Dreamweaver	75
Editing Sites	78
Project 2-3: Adding Folders and Files in Dreamweaver	79
Step-by-Step	80
Project Summary.....	84
Conclusion	84
Glossary	85

Table of Contents

Unit 3: Understanding the Dreamweaver Interface

Overview	2
The Dreamweaver Workspace – a Quick Tour.....	3
Setting the Workspace View	3
The Dreamweaver Interface.....	3
The Document Toolbar	4
The Insert Bar	5
The Document Window.....	7
The Properties Inspector.....	7
Additional Functional Areas in Dreamweaver	8
Learning Check.....	9
The Functional Areas of Dreamweaver CS3	10
The Document Toolbar	10
Changing the View-Code, Split and Design Views	10
Additional Buttons in the Document Toolbar.....	12
Options and Buttons in the Document toolbar	13
The Insert Bar	15
The Common Category.....	16
The Common Tab of the Insert Bar	17
Additional Options from the Insert Bar	18
Additional Tabs on the Insert Bar.....	18
Panel Groups	21
The Document Window.....	28
The Properties Inspector.....	32
Learning Check	34
Copying Exercise Files to a New Website: Step-by-Step	35
In Conclusion	38
Assignment 3: Examining the Properties Inspector	39

Unit 4: Layouts and Alignments – Building Your First Web Page

Copying Exercise Files to a New Website: Step-by-Step	44
About File Naming and Page Titles	47
Modifying Basic Page Properties	48
Project 4-1: Modifying Page Backgrounds.....	51
Step-by-Step	52
Project 4-2: Setting Page Margins	57
Step-by-Step	57
Project 4-3: Setting Text and Link Colours	59
Step-by-Step	59
Colour Considerations in Web Design	63
Learning Check	62
Colour Considerations in Web Design	63
Previewing Pages in a Browser	65
In Conclusion	66
Assignment 4: Exploring Page Options and Colours.....	67
Step-by-Step	67

Unit 5: Working with Text

Understanding Text and Typefaces	72
Considerations When Working with Text	73
Copying Exercise Files to a New Website: Step-by-Step	75
Project 5-1: Inserting Paragraph and Break Tags.....	79
Step-by-Step	79
Looking Forward	82
Project 5-2: Text Formatting with the Properties Inspector.....	83
Step-by-Step	83
Caveat	85
Project 5-3: Controlling Text Appearance	87
Understanding Font Styles.....	87
Step-by-Step	88
Project 5-4: Changing Font Sizes	90
Creating a Mono-Style	92
Project 5-5: Changing Font Colours.....	94
Step-by-Step	94
Project 5-6: Aligning Text.....	96
Step-by-Step	96
Using Lists and Indents.....	98
Project 5-7: Using Ordered and Unordered Lists.....	98
Step-by-Step	99
Project 5-8: Setting Indents.....	101
Step-by-Step	101
Recapping	103
Learning Check.....	104
Creating Hyperlinks.....	105
Absolute and Relative Links.....	105
Project 5-9: Creating an Absolute Link	106
Step-by-Step	106
Question and Answer.....	107
Creating a Relative Link	108
Project 5-10: Using the Browse to File Function.....	108
Step-by-Step	108
Project 5-11: Using the Point to File Feature	110
Step-by-Step	110
Project 5-12: Creating an E-Mail Link	112
Step-by-Step	112
Project 5-13: Inserting Page Anchors	114
Step-by-Step	114
Learning Check.....	116
In Conclusion	117
Assignment 5: Formatting a Web Page	118
Project Step-by-Step.....	118

Table of Contents

Unit 6: Working with Images

Overview	2
Image File Formats for the Internet.....	3
Bitmaps, Rasters and Vectors – Understanding Image Types	3
Graphic Interchange Format – GIFs	6
Joint Photographic Experts Group Format – JPEGs	7
Portable Network Graphic Format – PNGs.....	7
Shockwave Flash Format – SWFs.....	8
Considerations in the Use of Images	8
Learning Check.....	10
Copying Exercise Files to a New Website: Step-by-Step	11
Project 6-1: Inserting Images into a Web Page	12
Step-by-Step	14
Question and Answer.....	20
Summary.....	23
Images as Navigation Elements	24
Project 6-2: Creating a Navigation Bar with Images	24
Step-by-Step	24
Project 6-3: Inserting Rollover Images.....	31
Step-by-Step	31
Web Standards and the Properties Inspector for Images.....	35
The Good	35
The So-So	35
The Bad.....	35
Learning Check.....	36
Inserting Flash Text and Buttons	37
Project 6-4: Generating and Inserting Flash Text	37
Step-by-Step	38
Project 6-5: Inserting Flash Buttons.....	42
Step-by-Step	42
Project 6-6: Inserting Flash Video.....	46
Step-by-Step	46
Using Adobe Bridge CS3	53
Project 6-7: Using Bridge to Organise and Insert Assets	53
Step-by-Step	53
Project 6-8: Using Bridge with Photoshop Integration	58
Step-by-Step	58
Learning Check.....	62
In Conclusion	63
Assignment 6: Inserting Images into a Web Page.....	64

Unit 7: Controlling Page Layout

Page Layout Principles	69
Alignment	69
Repetition and Consistency	72
Contrast.....	72

Do's and Don'ts of Good Page Design	74
Learning Check	76
Preparing for CSS-Based Layouts	77
Understanding Cascading Style Sheets (CSS).....	77
CSS Syntax	78
CSS Selector Types.....	79
Document Type Declaration.....	82
The Natural Flow in the Document	83
Box Model	84
CSS Positioning Techniques	86
Static Positioning.....	86
Absolute Positioning.....	86
Relative Positioning.....	86
Fixed Positioning.....	88
Reviewing the Principles of CSS Layout.....	90
Learning Check	91
Copying Exercise Files to a New Website: Step-by-Step	92
Creating Page Divisions.....	93
Project 7-1: Inserting a DIV	93
Step-by-Step:	93
Project 7-2: Creating Columns with Absolute Positioning.....	97
Step-by-Step	97
Learning Check	102
Project 7-3: Using Floats to Create Columns.....	103
Step-by-Step	103
Project 7-4: Clearing Floats	108
Step-by-Step	108
Project 7-5: Exporting to an External Style Sheet.....	113
Step-by-Step	113
Learning Check	117
In Conclusion	118
Assignment 7: Designing With CSS Positioning	119
Step-by-Step	119

Table of Contents

Unit 8: Advanced Page Design with Cascading Style Sheets

Overview	2
Modifying Pages with Cascading Style Sheets	3
Copying Exercise Files to a New Website: Step-by-Step	4
Project 8-1: Structuring Page Content with Div Tags	5
Step-by-Step	5
Project 8-2: Creating the External Cascading Style Sheet	15
Step-by-Step	15
Question and Answer	17
Project 8-3: Designing the Basic Layout with CSS	20
Step-by-Step	20
Creating and Positioning Page Containers	25
Learning Check	35
Project 8-4: Creating and Applying Custom Classes	36
Step-by-Step	36
Project 8-5: Creating Descendant Selectors	41
Step-by-Step	41
Styling Body Properties	41
Project 8-6: Styling Lists of Links	45
Step-by-Step	45
Creating Buttons with CSS	45
Using the New Dreamweaver CS3 CSS Management Feature	54
Organising CSS Rules	54
Learning Check	56
Project 8-7: Using Conditional Comments for Internet Explorer	57
Step-by-Step	59
Project 8-8: Using the New CSS Starter Pages	62
Project 8-9: Dreamweaver CS3's CSS Visualisation Tools	65
Step-by-Step	66
In Conclusion	67
Learning Check	68
Assignment 8: Adding a Print Style Sheet	69
Step-by-Step	70
The Style Rendering toolbar	73

Unit 9: Dreamweaver's Automated Design Tools

Overview	78
Copying Exercise Files to a New Website: Step-by-Step	79
Exploring the Assets Panel	80
Project 9-1: Creating and Using Library Items	83
Step-by-Step	83
Working with Templates	88
Project 9-2: Creating a New Template	89

Step-by-Step	89
Project 9-3: Applying and Updating Templates	96
Step-by-Step	96
Learning Check	104
Designing with Behaviors	105
Project 9-4: Exploring the Behaviors Interface	106
Step-by-Step	106
Working with Dreamweaver Extensions	112
Project 9-5: Installing and Managing Extensions.....	112
Step-by-Step	113
Learning Check	119
In Conclusion.....	120
Assignment 9: Practising with Dreamweaver Templates	121

Table of Contents

Unit 10: Communicating through Tables, Forms and Media

Overview.....	2
Copying Exercise Files to a New Website: Step-by-Step.....	2
Adding Tabular Data to a Page.....	3
Understanding Tables.....	4
Project 10-1: Inserting Tables and Structured Data.....	6
Step-by-Step.....	6
Project 10-2: Designing a Table with CSS.....	11
Step-by-Step.....	11
Exploring Interactive Technologies.....	16
Designing a Web Page with Forms.....	18
Project 10-3: Creating a Contact Form.....	18
Step-by-Step.....	18
Processing Forms.....	24
Formmail.....	24
PHP.....	24
Active Server Pages (ASP).....	25
ColdFusion.....	25
Learning Check.....	26
Project 10-4: Working with Menus, Radio Buttons and Checkboxes.....	27
Step-by-Step.....	27
Project 10-5: Styling Forms with CSS.....	32
Step-by-Step.....	32
Learning Check.....	37
Project 10-6: Working with Plug-Ins.....	38
Step-by-Step.....	38
Project 10-7: Inserting a Spry Tabbed Panel.....	44
Step-by-Step.....	44
Learning Check.....	48
In Conclusion.....	49
Assignment 10.....	50

Unit 11: Publishing and Managing Site Files

Overview.....	52
Choosing a Web-Hosting Service.....	53
Types of Web-Hosting Services.....	53
Question and Answer.....	54
Considerations in Choosing Hosting Services.....	55
Gathering Essential Information.....	56
Project 11-1: Managing File Transfers with the Site Panel.....	58
Step-by-Step.....	58
Learning Check.....	65
In Conclusion.....	66
Assignment 11.....	67

Table of Contents

	Page
Introduction	1
Adobe Certified Associate Objectives – Rich Media Objectives	1
Setting Project Requirements	3
Identifying Purpose and Audience Needs for Rich Media Content	4
Identifying Rich Media Content Relevant to the Website Purpose and Appropriate to the Target Audience	7
Understanding Options for Producing Accessible Rich Media Content.....	10
Standard Copyright Rules	11
Understanding Project Management Tasks and Responsibilities	15
Communicating with Others (such as Peers and Clients) about Design and Content Plans	18
Identifying Rich Media Design Elements.....	21
Identifying Best Practices for Designing Rich Media Content	22
Demonstrating Knowledge of Design Elements and Principles.....	24
Identifying Techniques to Create Accessible and Readable Rich Media Elements	28
Using a Storyboard to Produce Rich Media Elements	37
Assignment 1	46
Evaluating Rich Media Design Elements.....	47
Conducting Basic Technical Tests	48
Assignment 2	50
Identifying Techniques for Basic Usability Tests	51
Assignment 3	53

Table of Contents

	Page
Flash CS3 Professional—An Introduction	1
Chapter 1—Getting Started	3
Assignment 1	36
Chapter 2—Drawing and Painting.....	37
Practice Activity 1	71
Practice Activity 2.....	87
Assignment 2	105
Chapter 3—Working with Text.....	107
Assignment 3	123
Chapter 4—Using Layers.....	125
Assignment 4	148
Chapter 5—Symbols and Instances.....	149
Practice Activity 3.....	169
Assignment 5	174
Key Learning Summary.....	175

Table of Contents

	Page
Introduction	1
Chapter 6—Bitmaps	3
Practice Activity 1	16
Assignment 1	24
Chapter 7—Frame-by-Frame Animations	25
Practice Activity 2	47
Assignment 2	50
Chapter 8—Tweening.....	51
Practice Activity 3	66
Practice Activity 4	81
Assignment 3	100
Chapter 9—Buttons and Hotspots.....	101
Practice Activity 5	114
Assignment 4	125
Chapter 10—An Introduction to ActionScript 3.0.....	127
Assignment 5	145
Chapter 11—Sounds.....	147
Assignment 6	163
Chapter 12—Exporting and Publishing Movies.....	165
Practice Activity 6	191
Assignment 7	196
Glossary	197
Key Learning Summary.....	201
What Next?	202