

Dreamweaver CS3 Level 3

Audience	This course is intended for the person who has extensive experience with Dreamweaver. Students should know how to work with styles and stylesheets; templates; library, behaviors; timelines; scripts, video, audio, and HTML.
Description	The course uses a combination of lecture and hands-on practice to create robust web sites using the database features of Dreamweaver and explore e-commerce capabilities. Students upgrade a static HTML site that uses obsolete code to an XML standard-compliant, CSS-formatted dynamic site using Microsoft Active Server Pages (ASP). You also create several integrated applications for a fictional travel tour operator, including a searchable listing for tour descriptions, country profiles, and a tour price calendar.
Objectives	Upon successful completion of the class, students should be able to: <ul style="list-style-type: none">■ Use a relational database—Microsoft Access or MySQL—as the driving force behind a site■ Use Dreamweaver’s built-in server behaviors and application objects to assist in the rapid development of dynamic Web applications■ Read and hand-code ASP VBScript, ColdFusion Markup Language, and PHP scripts well enough to understand how dynamic Web pages work, troubleshoot errors, and customize scripts■ Collect and manipulate user-entered data, performing calculations on the fly■ Use SQL to pass information between your pages and the database■ Validate forms using client-side and server-side scripts
Length	2 days

I. Server Setup & Initial Dynamic Definitions

- A. Dynamic Web Site Basics
- B. Choosing a Server Model
- C. Refining the Newland Tours Site for Dynamic Development
- D. Developing with a Local Server
- E. Setting Up a Local Environment for IIS/ASP
- F. Setting Up a Local Environment for ColdFusion
- G. Setting Up a Local Environment for Apache/PHP

H. Developing with a Remote Server

- I. Defining a Dynamic Site in Dreamweaver
- J. Building a Simple, Dynamic Application

II. Database Connectivity

- A. A Crash Course on Databases
- B. Introducing Database Objects
- C. Understanding Relationships
- D. Databases on the Web



- E. Database Security and the Web
- F. Installing the Newland Tours Database in MySQL
- G. Touring the Newland Database
- H. Connecting to a Database
- I. Retrieving Recordsets and Displaying Database Information

III. Dynamic Forms / Query / Update Page

- A. Dynamically Populated Drop-down Menus
- B. Creating Filtered Recordsets
- C. Revising the Calculation Script with Live Data
- D. Documenting Your Code with Comments

IV. Filtering and Displaying Data using Ajax

- A. Passing and Using Data with Ajax
- B. Expanding Dreamweaver with Extensions
- C. Turning a Recordset into XML
- D. Connect Country Profiles Page to XML Data
- E. Building a Spry Table
- F. Creating Spry Regions
- G. Displaying with a Spry Accordion
- H. Adding Images and the Country Name
- I. Looking Up Foreign Table Data with SQL
- J. Refining Page Display using CSS Styling and Positioning

V. SQL / Advanced Query and Binding

- A. Planning the Application
- B. Creating Recordsets with Joins
- C. Building the Descriptions
- D. Inserting the Images and ALT Attributes
- E. Implementing Recordset Paging
- F. Passing Data to Other Applications

VI. Search Functionality

- A. Preparing the Search Page and Creating the Search All Link
- B. Searching by Region: Building the Interfaces
- C. Revising the Query and Commenting Code for Testing and Debugging
- D. Suppressing the Navigation Bar
- E. Searching by Country: Filtering by Form Variable
- F. Modifying SQL Statements According to Environmental Variables

VII. Web User Authentication

- A. User Authentication as a Web Application
- B. Building the Registration Pages
- C. Building the Log-in Page
- D. Creating Application.cfm
- E. Restricting Access to Pages