



### Dreamweaver Dynamic Application Development

**Dreamweaver Dynamic Application Development** provides students with the knowledge and hands-on practice they need to build a web application with Dreamweaver. This course, which is Windows based, focuses on teaching the fundamentals of the Dreamweaver interface, web programming languages, and databases to build a dynamic, data-driven application in ColdFusion, ASP, or PHP.

**Target Student:** This course is for people who want to use Dreamweaver to create data-driven web applications.

**Prerequisites:** Be comfortable working with the Windows operating system. Have familiarity with web terminology and understand what is required to develop a static web application. Completion of the Dreamweaver Website Development course or equivalent experience.

**Delivery Method:** Instructor-led, classroom-delivery learning model with structured hands-on activities.

**Benefits:** After completing this course, you will be able to create dynamic web sites that interact with users and data. You will learn to work with forms and databases and build several interactive websites.

#### What's Next:

**Flash Rich Content Creation** Add animation and user interaction to your web site with graphics, text and sound effects.

**Flash ActionScript** Master fundamental programming techniques, including variables and functions, conditions, loops, event handling, and animating with ActionScript.

**Acrobat/PDF** Learn how to create and secure PDFs for document distribution on the Web.

**Fast Track to ColdFusion** Build and maintain dynamic and interactive web applications.

#### Performance-Based Objectives

Upon successful completion of this course, you will be able to:

- Define a site in Dreamweaver to organize and maintain its web pages, and create a basic web page by typing text and applying character and paragraph formatting.
- Pass data to and from web pages and to e-mail recipients.
- Understand how databases work and their role in website development.
- Manipulate data to perform calculations.
- Document your code with the appropriate comments.
- Use various SQL statements to populate a web page.
- Use forms to manipulate data and web pages.
- Build update pages.
- Use sessions to authenticate users.
- Differentiate between client-side and server-side validation.
- Create search strings and pages.





## Dreamweaver Dynamic Application Development

### Introducing Dreamweaver and Newland Tours

Defining a Static Site  
Assessing the Site: The Code and Business Processes

### Dynamic Web Sites

Dynamic Web Site Basics  
Choosing a Server Model  
Redefining the Newland Tours Site for Dynamic Development  
Developing with a Local Server  
Setting up a Local Environment for IIS/ASP  
Developing with a Remote Server  
Defining a Dynamic Site in Dreamweaver  
Building a Simple, Dynamic Application

### Passing Data Between Pages

Understanding HTTP Protocol  
Retrieving Data from the URL  
Sending Data with Hyperlinks  
Setting and Retrieving Cookies

### Sending Email from a Web Form

Introducing SMTP Email Service  
Configuring Your System to Send SMTP Email Messages  
Configuring IIS to Send Email (ASP, ColdFusion, PHP)  
Writing the Code to Send a Message  
Understanding Objects, Methods, and Properties  
Creating the Web Form  
Emailing Dynamic Form Values  
Client-Side Form Validation

### Building a Tour Price Calculator

Creating the Pages  
Building the Form  
Collecting, Processing, and Displaying the Data  
Adding Server-Side Form Validation  
Creating the Conditional Region  
Creating and Applying a Custom CSS Class

### Databases on the Web

Introducing Database Objects  
Databases on the Web  
Database Security and the Web  
Installing the Newland Tours Database in MySQL  
Touring the Newland Database  
Connecting to a Database  
Retrieving Recordsets and Displaying Database Information

### Completing the Price Calculator

Dynamically Populated Drop-Down Menus  
Creating Filtered Recordsets  
Revising the Calculation Script with Live Data  
Documenting Code with Comments

### Filtering and Displaying Data Using Ajax

Passing and Using Data with Ajax  
Expanding Dreamweaver with Extensions  
Turning a Recordset into XML  
Building a Spry Table  
Styling the Spry Table  
Creating Spry Regions  
Displaying with Spry Accordion  
Looking Up Foreign Table Data with SQL  
Refining Page Display Using CSS Styling and Positioning

### Building Search Interfaces

Inserting Images and alt Attributes  
Implementing Recordset Paging  
Passing Data to Other Applications  
Searching by Region: Building the Interfaces  
Modifying SQL Statements According to Environmental Variables

### Authenticating Users

User Authentication as a Web Application  
Building the Registration Pages  
Building the Log-in Page  
Creating an Application.cfm (CF only)  
Restricting Access to Pages

### Managing Content with Forms

Creating the Admin Section  
Formatting Content Stored in a Database  
Creating the Form Interface  
Using Session Variables and Hidden Fields to Track Users  
Inserting the Record

### Building Update Pages

Preparing the Pages  
Planning Master-Detail Pages  
Making the Detail Page Updatable