



## **Adobe ColdFusion 9: Creating Database Driven Sites**

**Overview:** This course introduces students to the syntax, functions, tags, and possible development solutions they're likely to encounter as they begin to develop ColdFusion applications. Students taking this course should be experienced with HTML, Internet concepts, SQL fundamentals, and database fundamentals. This course introduces students to the syntax, functions, tags, and possible development solutions they're likely to encounter as they begin to develop ColdFusion applications.

**Course Length:** 1 Day, 9:00 a.m. – 4:00 p.m.

### **Lesson 1: Design considerations**

- Choosing the Right Formatting
- Creating dynamic tables
- Exploring CFTABLE
- Creating a Date Stamp
- ColdFusion functions
- The Now( ) function
- The DateFormat( ) function
- Applying masks
- Creating drill-down applications
- Passing URL parameters
- Passing multiple parameters
- Outputting images dynamically
- Storing image filenames
- Managing "data gaps" with conditional expressions
- Trim( ) function
- The Len( ) function

### **Lesson 2: Updating records**

- Creating database front-ends
- Populating form controls with existing data
- Using hidden form fields to pass variables
- Updating records with CFUPDATE
- Recording the date and time of an update
- Capturing and storing date values
- Updating data not passed from a form
- The TimeFormat( ) function
- Performing SQL updates

### **Lesson 3: Inserting and deleting records**

- Inserting records with <CFINSERT>
- Inserting data into multiple tables
- Inserting data conditionally
- Using the "AutoNumber" data type to create ID values
- The CreateODBCDateTime( ) function
- Using the SQL INSERT INTO statement
- Deleting records
- Confirming a deletion request with JavaScript

### **Lesson 4: Validating data entry fields**

- Exploring client-side vs. server-side validation
- <CFFORM> and <CFINPUT>
- Embedding form validation rules

- Applying multiple rules
- A more customized approach to form field validation
- Using conditional expressions to test for valid data
- Applying <CFABORT>
- Initializing variables with <CFPARAM>
- Re-using a variable
- Testing for multiple conditions
- Comparison operators
- The IsNumeric( ) function
- The IsDate( ) function
- Redirecting a user with <CFLOCATION>
- Passing parameters via <CFLOCATION>
- The IsDefined( ) function
- The URLEncodedFormat( ) function
- Re-populating form after submission
- Re-using forms
- Nesting CFOUTPUT blocks
- Passing multiple parameters via CFLOCATION
- Alternative methods for re-populating forms

### **Lesson 5: Creating a keyword search application**

- Database search applications
- Exploring the Verity Search engine
- Looping with <CFLOOP>
- Index loops
- ColdFusion list functions
- The ListGetAt( ) function
- The ListLen( ) function
- Creating dynamic SQL statements
- Testing applications; enabling ColdFusion debugging