# PHP800 : Drupal Web Development

**Code :**          PHP800                 **Duration :**          9 days                    **Category :**          PHP

**Audience :**

This course targets persons that want to use Drupal for the design of a Web site or Web Application.

**Prerequisites :**

No specific knowledge is required to participate in this course. General knowledge of Web applications and experience with computers is desired.

**Drupal Web Development**

**Realization :**

The theory is discussed on the basis of presentation slides. Demo's are used to clarify the treated concepts. In a number of subsequent exercises participants create a Drupal Website with often used functionality.

**Contents :**

In the course Drupal Web Development participants learn to use the Drupal Content Management System, CMS, to set up a complete web site. The course is based on Drupal version 7. To develop a Web Site in Drupal virtually no programming knowledge is required. Developers however can develop even more functional applications with the Drupal API. Next it is discussed how a typical site is built in Drupal and how the Drupal page model works. Participants learn the meaning and use of the various components in Drupal such as fields, views, modules, nodes, blocks and pages. The course starts by installing Drupal and a first site is built and the associated modules are chosen. The course then continues with the layout with blocks and regions and also default blocks and custom blocks are discussed. The content types in Drupal including PAGES and ARTICLES on which fields of different types can be placed are discussed. Participants also learn what taxonomies are and how you can work with views, themes and input forms. Finally attention is paid to some advanced topics such as web services with XML-RPC. After completing this course participants can independently build a web site with Drupal.

### Module 1 : Drupal Intro

What is Drupal?
CMS Systems
Drupal terminology
Content Management Framework
Web Application Framework
Modules and Themes
Nodes and Blocks
Drupal Workflow
Bootstrap
Hooks and Callbacks
Installing Drupal

### Module 2 : Drupal Core

Admin Interface
Creating and Managing Content
Site Building and Configuration
User Management
Out of the Box Modules
Core Required
Core Optional-enabled
Core Optional-disabled
User Contributed Modules
Popular Modules
Module selection and evaluation

### Module 3 : Layout and Files

Layouts in Drupal
Blocks and Regions
Default Blocks
Custom Blocks
Configuring Blocks
Enabling Default Blocks
Controlling the Front Page
File System
Download Methods
File Module
Image Module

### Module 4 : Fields Module

Custom Content Types
The PAGE and the ARTICLE
Input Filters
Field Permissions
Adding Fields to Content-Types
Text Fields
Numeric Fields
Link and Image Fields
Field Groups
Node Reference
Manage Display Settings
Display Formats

### Module 5 : Taxonomies

What is taxonomy?
Working with Taxonomy
Vocabularies
Required Vocabulary
Controlled Vocabulary
Single and Multiple Terms
Adding Terms
View Content by Term
Storing Taxonomies
Module-Based Vocabularies

### Module 6 : Drupal VIEWS

Overview of VIEWS
VIEW Types
Default Views
Overriden Views
Normal Views
Displays
Basic Settings
Display Types
Basic Settings
Fields vs Node
Filters and Arguments

### Module 7 : Themes

Theme System Architecture
Theme Templates
The .info file
Theme Engine
Hooks
Creating a Theme
Installing a Theme
Theme Inheritance
Modifying Base Themes
Custom Stylesheets
Overriding Theme Behavior

### Module 8 : Forms

Forms with Webforms module
The Form API
Form Processing
Validation
Form Submission
Redirection
Creating Basic Forms
Custom Module Basics
Enabling the Custom Form Module
Accessing the Custom Form
Form API Properties

### Module 9 : Advanced Topics

Rules with the Rules module
Common Functions
Relationships
XML-RPC
What is XML-RPC?
XML-RPC Clients
A Simple XML-RPC Server