# Drupal Commerce for Developers

This three-day training covers the inner-workings of Drupal Commerce, developing with Commerce, and leveraging key Drupal 7 functionalities for Commerce integration. The training also includes discussion and examples of how to use contributed modules to extend Commerce functionality, including importing products, managing client addresses, handling stock and shipping rates.

## Pre-requisites

- This training is best suited for Drupal developers and programmers who currently work full time with Drupal either in a company environment or as freelance contractors.
- You will need to bring a laptop in order to work locally off of your own installation, which we will install during the training.
- Experience using and developing for Rules and Views will ensure you get the most out of the training.

## Agenda:

### Introduction to Drupal Commerce

- Review of Commerce Entities and Fields
- Commerce Entity Types (and their machine-names)
- Commerce Field Types (and display formatters)
- Entity / Field Relationship Diagrams for Commerce

### Products

- Separation of Product & Product Display
- Attribute Fields
- Referenced Product Field Injection
- Advanced Product Management
- Unified Product / Product Display Management

- Customizing On-site Product Administration
- Bulk Product Management with VBO

## Shopping Cart

- Shopping Cart Orders
- Add to Cart Process
- Product Line Item Types
- Customizable Line Item Fields

## Introduction to Rules

- Rules Basics
- Rules Components
- Defining Events, Condition, and Actions
- Combining Rules with Views Bulk Operations

## Product Pricing

- Price Field
- Price Field Schema
- Price Components
- Default Price Field Instances
- Product Sell Price Calculation
- Discounts

## Advanced Price Calculation

- Taxes

## Checkout

- Checkout Pages and Panes
- Collecting Customer Information
- Order Updates During Checkout

## Creating Commerce Modules and Site Modules

- Commerce Coding Resources
- Entity Wrappers
- EntityFieldQuery
- Drupal Commerce Access Control

## Payment

- Payment Transactions

- Defining and Configuring Payment Methods
- On-site Payment Methods
- Off-site Payment Methods

### Advanced Product Managemet Demos

- Importing Products with Feeds
- Improving Product Search with Search API
- Customizing Product Displays through Panels

### Contributed Module Review

- Commerce Addressbook (2.x)
- Commerce Shipping (2.x)
- Commerce Stock
- Commerce File
- Commerce Price Savings Formatter
- Commerce Extra Price Formatters
- Commerce Add to Cart Extras
- Payment Method Modules