

# GID 78: RAPID WEBSITE DEVELOPMENT

## Foothill College Course Outline of Record

Heading	Value
<b>Units:</b>	4
<b>Hours:</b>	3 lecture, 3 laboratory per week (72 total per quarter)
<b>Advisory:</b>	GID 56, 57 and 58.
<b>Degree &amp; Credit Status:</b>	Degree-Applicable Credit Course
<b>Foothill GE:</b>	Non-GE
<b>Transferable:</b>	CSU
<b>Grade Type:</b>	Letter Grade (Request for Pass/No Pass)
<b>Repeatability:</b>	Not Repeatable

## Student Learning Outcomes

- Demonstrate an understanding of appropriate applications of rapid website development technologies and their implementations for website development.
- Create a website that effectively demonstrates proficiency with Drupal and WordPress for class critique and portfolio presentation.

## Description

Introduction to Drupal and WordPress for rapid website development. Prepares students and working professionals to use rapid development tools to create and customize websites for small and large applications, from blogs to commercial development. Emphasis on authoring, modules and architecture, CMS (Content Management System), and administrative tools.

## Course Objectives

The student will be able to:

- demonstrate an understanding of rapid website development using blogging and content management applications, e.g., WordPress and Drupal, and when to deploy these technologies versus traditional websites.
- create a functional website using WordPress, including editable pages, integration of content and RSS, and current Web blogging technology.
- create a website that effectively demonstrates proficiency with Drupal utilizing content management and customizable modules.
- compare and contrast WordPress and Drupal options for a potential client.

## Course Content

- Rapid website development overview
  - Conceptual thinking about content deployment and management, usability, and user interaction
  - Theory and application of rapid Web deployment technologies, from customizable templates to modules
  - Web technology for use by individuals and teams
  - Web 2.0 applications and user interaction/requirements
- Create a website using WordPress
  - Install and configure WordPress on the host server manually (FTP) or using hosted modules

- WordPress architecture
  - Themes and widgets
  - WordPress Plug-ins
  - Customization using HTML/CSS
  - Produce a working multi-page WordPress website
- Create a functional website using Drupal
    - Install and configure Drupal on the host server manually (FTP) or using hosted modules
    - Drupal architecture
    - Core Modules
    - Core Themes
    - Customization using HTML/CSS
    - Produce a working multi-page Drupal website
  - Compare and contrast WordPress and Drupal

## Lab Content

- Storyboard website
- Install WordPress
- Tour Administration Screens
- Set up site
- Customize site using themes, widgets, and plugins
- Install Drupal
- Drupal Architecture/Admin Tour
- Install modules and themes
- Working with content/customization
- Presentation of WordPress/Drupal for a client

## Special Facilities and/or Equipment

- A lecture room equipped with instructional computer, high resolution color monitor, software; projection system, and lighting suitable for displaying projected media. An integrated or separate facility with student workstation configurations to include hard drives, color monitors, mice, keyboards, and software.
- When taught via Foothill Global Access: on-going access to computer with java-script enabled Internet browsing software, media plug-ins, and relevant computer applications.

## Method(s) of Evaluation

- Completed student projects
- Participation in class critiques
- Classroom discussions

## Method(s) of Instruction

- Lectures on technical and conceptual concepts in rapid website design and development.
- Discussion and critique of projects and representative media.
- Group discussions that address the creative problem solving process and technical concepts.
- Demonstration of rapid website design and development techniques.

## Representative Text(s) and Other Materials

Williams, Andy. [Rapid WordPress Websites: A visual step-by-step guide to building WordPress websites fast!](#) Webmaster Series, 2014.

## **Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments**

A. Example of required reading assignments:

1. Read Checkpoint #5 Permalinks

B. Example of required writing assignment:

1. Correctly format a WordPress page that includes permalinks

## **Discipline(s)**

Computer Information Systems, Graphic Arts