

Las Positas College
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Course Outline for GDDM 2

WORDPRESS AND CONTENT MANAGEMENT SYSTEMS

Effective: Spring 2018

I. CATALOG DESCRIPTION:

GDDM 2 — WORDPRESS AND CONTENT MANAGEMENT SYSTEMS — 3.00 units

Students will use WordPress to build dynamic websites that can be updated easily. Students are also introduced to PHP & MySQL, theme customization, and other CMS frameworks.

1.50 Units Lecture 1.50 Units Lab

Grading Methods:

Letter or P/NP

Discipline:

- Graphic Arts

	MIN
Lecture Hours:	27.00
Lab Hours:	81.00
Total Hours:	108.00

II. NUMBER OF TIMES COURSE MAY BE TAKEN FOR CREDIT: 1

III. PREREQUISITE AND/OR ADVISORY SKILLS:

IV. MEASURABLE OBJECTIVES:

Upon completion of this course, the student should be able to:

- Determine the best content management system to use for a given web development project.
- Install and set up WordPress and other content management systems, such as Joomla, and Drupal.
- Use PHP and JavaScript/jQuery to create child and a basic custom theme in WordPress.
- Develop dynamic websites using content management systems.

V. CONTENT:

- Assessing the technical requirements for a given web development project and determining the best technology or content management system (CMS)
- Install WordPress on the localhost
- Review of Dreamweaver and managing dynamically related sites
- Adding content to a WordPress
- Introduction to themes, widgets, and plug-ins
- Introduction to PHP/MySQL (Syntax, Data Types, Functions, Conditionals, Includes)
- Understanding WordPress architecture, template tags, and hooks
- Developing and modifying websites with WordPress
 - Theme customization using child themes, widgets, and plug-ins
- Intro to custom theme and template development
- Deploying or moving a WordPress site
- Overview of WordPress frameworks (Thematic, Genesis and Underscores)
- Overview of Drupal and Joomla (Installation & Configuration)

VI. METHODS OF INSTRUCTION:

- Lab** -
- Student Presentations** -
- Critique** -
- Demonstration** -
- Discussion** -
- Lecture** -
- Projects** -

VII. TYPICAL ASSIGNMENTS:

- Configure WAMP/MAMP on the localhost
- Use Dreamweaver to create connections with WordPress and dynamically related files
- Utilize the WordPress Dashboard
- Add content to a WordPress

- E. Install themes, widgets, and plug-ins into WordPress
- F. Write basic PHP/MySQL statements and includes
- G. Use HTML, CSS and WordPress template tags & hooks to create a child theme.
- H. Customize a theme using widgets and plug-ins
- I. Create a child theme
- J. Use various utilities to deploy a WordPress site to the web
- K. Create a "basic" WordPress theme from scratch

VIII. EVALUATION:

A. **Methods**

- 1. Exams/Tests
- 2. Oral Presentation
- 3. Projects
- 4. Class Participation
- 5. Lab Activities

B. **Frequency**

- 1. Exams/tests - As necessary
- 2. Oral Presentation - Per project milestone
- 3. Projects - Weekly exercises as well as larger completed websites
- 4. Class participation - Daily
- 5. Lab Activity - Daily

IX. TYPICAL TEXTS:

- 1. Krol, Karol. *WordPress 4.x Complete*. 1 ed., Packt Publishing, 2015.
- 2. MacDonald, Matthew . *WordPress: The Missing Manual*. 2 ed., O'Reilly Media, 2014.
- 3. Williams, Brad. *Professional WordPress: Design and Development* . 3 ed., Worx, 2015.
- 4. Clark, Nathan. *WordPress: Fundamental Basics for Absolute Beginners (Step-By-Step WordPress) (Volume 1)* . 1 ed., Createspace, 2017.
- 5. Williams Wordpress for Beginners 2017: A Visual Step-by-Step Guide to Mastering Wordpress, Andy. *Wordpress for Beginners 2017: A Visual Step-by-Step Guide to Mastering Wordpress*. 1 ed., CreateSpace, 2016.
- 6. Wordpress, Wordpress.org, (4.6.1).
- 7. https://codex.wordpress.org/Main_Page

X. OTHER MATERIALS REQUIRED OF STUDENTS: