Integral Web Design and Development Syllabus

10/2014-11/2014

Instructor Information

Instructor(s)	Email	Office Location & Hours
1. Farasha Euker	farasha@deftco.de	By appointment

Instructor's Biography

Farasha Euker has developed clean, efficient, and accessible web sites for over 15 years. She has worked for large NGOs and has created and audited sites for various governments. Farasha's expertise is varied, but her passions are beautiful CSS, UNIX, cyber-security, and crafting code (Ruby, PHP, Javascript,...) so clean and self-documenting that it practically reads as a novel. Farasha has many years of experience teaching web design, writing, and philosophy, and those divergent fields show in her teaching method, which is unique and rapidly productive of great results.

General Information

Description

This course is a thorough introduction to web design and development with no prerequisite knowledge required. The course will focus on all areas of web design and will be of use to the professional as well as the enthusiast or interested amateur. The course will start with an introduction to basics, such as the choice of a programming environment, will move on to CSS, then will delve into coding in HTML, Javascript, and PHP. The course will teach the interested learner everything they need to know to create a site from scratch using plain HTML, a CMS, or a static site generator. This is a wholesome, integral approach and just as integral bread is healthy for the body, integral web design will be healthy for your web presence.

Expectations and Goals

The student who completes this course should be able to create a substantial web site from scratch including all HTML, CSS, and Javascript coding. They should also have learned enough PHP to customize popular CMS systems such as Wordpress and Drupal.

Course Materials

Required Materials

• None

Optional Materials

Laptop running Linux natively or in a virtual machine and capable of running an AMP (Apache MySQL PHP) stack.

Start date 06.10.2014 – End date 14.11.2014

Course Schedule

Week	Topic	Reading	Exercises
1	Becoming a zen coder (crafting the right workflow)		Choose the editor to use throughout the course
2	HTML5 programming		Create a basic site from scratch using valid HTML with only a text editor
3	Basic CSS		
4	Intermediate CSS		Create a CSS stylesheet using modern CSS3 techniques
5	Introduction to Javascript and PHP		Demonstrate ability to create basic JS entity and basic use of PHP
6	Tying it all together: using a CMS		Create a custom Wordpress template

Exam Schedule

Date	Subject
27.10.2014	HTML & basic CSS
14.11.2014	Final, inclusive exam

Additional Information and Resources