

Hagerstown Community College Course Master Syllabus

WEB-115 - Web Developer 1

Course Information

WEB 115 – Web Design II

3 Credits

Spring 2019

January 7 through April 29, 2019

Tuesday 06:00PM - 08:45PM

Instructor Information

Course Description

This introductory web programming class teaches students server-side scripting technologies to create web applications. The primary focus is on the PHP Hypertext Preprocessor (PHP) language, the Apache web server and MySQL relational database server. Students will learn strategies for creating basic content management systems, designing databases in web environments and creating login, data collection, registration, and search functions for web sites. Course fee required. Prerequisite: WEB 101 or consent of TCS Division. Semesters offered: Spring. 3 Credits.

Textbook and Course Materials

PHP for the Web: Visual QuickStart Guide (5th Edition), Larry Ullman. ISBN-13: 978-0134291253

Student Learning Outcomes

- Students will demonstrate technical proficiency in HTML by creating code that validates, correctly incorporates all necessary code, follows semantic design and universal accessibility principles, is SEO friendly and is handicap accessible and 508 compliant.
- Students will show technical proficiency in PHP by creating server-side scripts that generate no errors and accomplish project goals.
- Students will show technical proficiency in SQL by creating databases that adhere to the normal forms and meet the needs of server-side scripting website goals.
- Students will evaluate and employ safe and legal computing practices including securing computers against theft and cybercrime, properly using logins and passwords, securing and archiving files, identify the legal issues of copyright and appropriately use copyrighted material in their projects.
- Students will demonstrate problem solving skills by analyzing, selecting and applying tools appropriate for a specific solution

Definition of Credit Hour: Classroom Courses

To earn one academic credit at HCC, students are required to complete a minimum of 37.5 clock hours (45 fifty-minute academic hours) of coursework per semester. Those hours of coursework may be

completed through a combination of hours in the classroom and hours outside the classroom. Certain courses may require more than the 37.5 minimum hours of coursework per credit. For most classes, students should expect to complete at least 2 hours of coursework outside of class for each hour of in-class coursework.

Classwork type	Direct Faculty Instruction In-class 37.5 hours required	Student Work Out of Classroom 75 hours required
In-class lecture and discussion	37.5 hours	
Reading		20 hours
Class Presentation		10 hours
In-Class Laboratory Activity		15 hours
Assignments / Homework		30 hours
Total	37.5 hours	75 hours

Services for students with disabilities: Students may receive reasonable accommodations if they have a diagnosed disability and present appropriate documentation. Students seeking accommodations are required to contact the Disability Support Services (DSS) office as early as possible. Students may contact a DSS staff member for an appointment at dss@hagerstowncc.edu or at 240-500-2530.