

**Hagerstown Community College**  
**OFFICIAL MASTER SYLLABUS DOCUMENT**

**COURSE: WEB 210 – Web Developer II 3 Credits**

**INSTRUCTOR:**                      **SEMESTER/YEAR:** Fall 2017

**COURSE DESCRIPTION:**

This course focuses on JavaScript as the client-side scripting technologies for web sites. Students will learn form-validation, page animation, the Document Object Model as well as basic programming concepts such as functions, arrays, loops and variables. Students will also incorporate interactive elements into projects including audio, video and other multimedia. Total of 45 hours of lecture. Course fee required. \*Prerequisite: WEB 101 or consent of TCS Division. Semester offered: Fall. 3 Credits

**TEXTBOOK:**

- *Murach's PHP and MySQL 2<sup>nd</sup> edition* by Joel Murach and Ray Harris
  - ISBN: 978-1-890774-79-0

**STUDENT LEARNING OUTCOMES:**

- 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 demonstrate **problem solving** skills by analyzing, selecting and applying tools appropriate for a specific solution
- Students will analyze the client or project requirements and create **action plans** by turning concepts into thumbnails, mockups, site scopes, storyboards, deadlines, client meetings and other planning activities that achieve project goals

**MINIMUM CLOCK HOURS REQUIRED FOR THIS COURSE**

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 within 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 do at least 2 hours of coursework outside of class for each hour of in-class coursework.

	DIRECT Faculty Instruction In-class <b>112.5 h required</b>	Student Work Out of Classroom <b>225 h required</b>
In-class “lecture”/Reading	40	65
Tutorials/Assignments	65.5	150
Projects	5	10
Cumulative final exam (Academic Testing Center)	2	-
<b>Total Hours</b>	<b>112.5 h</b>	<b>225 h</b>

**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](mailto:dss@hagerstowncc.edu) or at 240-500-2530.