Hagerstown Community College
OFFICIAL MASTER SYLLABUS DOCUMENT

COURSE: WEB 101 – Web Design I   **CREDITS**: 3

INSTRUCTOR: **SEMESTER/YEAR:** Summer 2018

COURSE DESCRIPTION:
Students will learn fundamental design techniques of the web including graphics, HTML, CSS, JavaScript, publishing with FTP and modern web-design. Students will learn to code HTML and CSS using a text editor before moving onto Adobe Dreamweaver to learn to manage websites, use templates, and gain a general understanding of a WYSIWYG coding environment. This course will serve as an introduction to Internet technologies used to support browsing, file transfers, ecommerce and user security. Steps will be taught on selecting and configuring software to support these activities. Other topics will include standards, accessibility (508 compliance), internet research and intellectual property rights as they relate to web content. Course fee required. Total of 45 hours of lecture. *Prerequisite: IST 101 Basic Keyboarding and IST 100 Computer Basics or 70% or better on the SALI test or consent of TCS Division. Semesters offered: Fall, Spring.

TEXTBOOK:
1. *Web Development & Design Foundations with HTML 5,* **eighth** *edition* (Pearson) ISBN: 978-0-13-432275-9
2. *Adobe Dreamweaver CC: The Professional Portfolio* (Against the Clock) 2017 Release ISBN: 978-1-936201-93-8

STUDENT LEARNING OUTCOMES:
- Students will show technical proficiency in **raster** Image Manipulation by creating layer based images optimized for specific applications and showing comprehension of raster software.
- 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 **CSS** by creating code that validate and meets project requirements.
- Students will show technical proficiency in **JavaScript** by creating interactive webpages that generate no errors and accomplish project goals.
- Students will be able to discuss their knowledge of **theory and vocabulary** of their field in a professional manner through written and verbal communications as well as demonstrated in their work and analyze those terms in their own and others works.
- Students will demonstrate **layout and composition** in their pieces through the use of balance, hierarchy, emphasis, unity, movement, contrast, rhythm, focus, use of grids and white space.
- Students will demonstrate **problem solving** skills by analyzing, selecting and applying tools appropriate for a specific solution

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	Student Work Out of Classroom
In-class "lecture"/Reading	-	40
Tutorials/Assignments	-	60
Projects	-	30
Final exam	-	5
Total Hours	**45 h**	**135 h**

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.