CATALOG DESCRIPTION: This course teaches the student all aspects of developing a site on the World Wide Web. Students build a website on two platforms (PC, UNIX), including the design of a home page. The technical aspects of implementing a web server. Web page applications, languages, design methodology, and theory are studied.

PREREQUISITE(S):   CSC 103 - Intro to Computing

COREQUISITE(S):   None

CREDITS: 3   **HOURS**:   3

REQUIRED TEXT(S):

CENGAGE COURSE CODE:

SUPPLEMENTAL MATERIALS:

INSTRUCTOR INFORMATION:

OFFICE HOURS:

CORE COMPETENCIES: The following core competencies are embedded in this curriculum: Communicate effectively in both speech and writing; Use computer systems or other appropriate forms of technology to achieve educational and personal goals; Analyze works in fields of art, music, or theater, literature, philosophy and/or religious studies and/or will gain competence in the use of foreign language; Understand historical events and movements in World, Western, non-Western or American societies and assess their subsequent significance; Understand ethical issues and situations; Address an information need by locating, evaluation, and effectively using information.

LEARNING ASSESSMENT

Student Learning Outcomes:	Suggested Means of Assessment:
Identify, define, and describe terminology related to the creation, publishing, and viewing of web sites and related web-based content	Quizzes (matching, fill-in); research, writing and/or presentation assignment
Differentiate between the various markup/scripting languages in terms of purpose, structure, syntax, and appropriate usage	Quizzes (matching, mc, fill-in)
Identify and explore current and emerging technologies and trends in web development	Quizzes (matching, mc, fill-in, hands-on), research, writing and/or presentation assignment
Identify and critique examples of web sites based on criteria such as design, navigation, functionality, and user experience/interface	Quizzes (matching, mc, fill-in, hands-on), research, writing and/or presentation assignment
Create, organize, manage, and publish HTML, CSS, JavaScript, and images using appropriate syntax, file naming conventions and directory structures	Lab assignments/projects, quizzes (matching, mc, fill-in)
Demonstrate the ability to utilize FTP (File Transfer Protocol) to upload and mange web sites (and related files) on a web server	Lab assignments/projects

GRADING SYSTEM:			C+	=	77 < 80
A	=	90 < 100	C	=	70 < 77
B+	=	87 < 90	D	=	60< 70
B	=	80 < 87	F	=	Below 60

DISABILITY SERVICES STATEMENT: Warren County Community College is committed to providing all students equal access to learning opportunities. Student Services is the campus office that works with students who have disabilities to provide and/or arrange reasonable accommodations. Students who have, or think they may have, a disability (e.g. mental health,

learning, vision, hearing, physical or systemic), are invited to contact Student Services to arrange a confidential discussion at (908) 835-2300 or by email at StudentServices@warren.edu as soon as possible. Students registered for Disability Services with Student Services, who have requested accommodations for the current semester will be provided with an electronic letter detailing individual accommodations and are encouraged to contact the instructor early in the semester to discuss accommodations outlined in their letter.

INSTRUCTIONAL SUPPORT CENTER: The Instructional Support Center (ISC), located in Room 105 across from the library, provides academic support at no cost to WCCC students and is available for courses in which they are currently enrolled. The ISC is staffed with trained professional and peer tutors who are ready to help you understand and succeed. For scheduling or further information, visit the ISC in person, online at http://www.warren.edu/tutoring/ or by telephone at (908)835-2354.

STATEMENT AND POLICY ON CHEATING, PLAGIARISM AND ACADEMIC DISHONESTY: Students are required to perform all the work specified by the instructor and are responsible for the content and integrity of all academic work submitted. A violation of academic integrity will occur if a student: (1) knowingly represents work of others as one's own, (2) uses or obtains unauthorized assistance in any academic work, (3) gives fraudulent assistance to another student, or (4) furnishes false information or other misuse of college documents.

In cases of suspected violation of academic integrity, the incident is to be reported to the Office of Academics. A student found guilty of violating the rule of academic integrity by the Vice President of Academics will be considered to have failed in personal obligation to the College; such failure will be subject to disciplinary action by the College. Unless otherwise notified, the instructor will allow students who are pending disciplinary action to attend class.

REQUIRED FORMAT FOR RESEARCH PAPERS: Research papers written for any Warren County Community College class must conform to the required documentation style. Papers written for humanities (and some social science) classes will follow the most recent edition of the Modern Language Association (MLA) in-text citation and bibliographic methods. Social science and science papers will require the use of the most recent edition of the American Psychological Association (APA) in-text citation and bibliographic methods.

Please consult with your instructor regarding the correct documentation style to use in his/her class.

ATTENDANCE POLICY: Students are expected to attend all class sessions of courses in which they are enrolled and are responsible for all material presented in class and all homework assignments.

Grades are based on the quality of work completed in meeting the requirements for a particular course, as stated in the course syllabus and catalog description.

Excessive absence may be considered sufficient cause for dismissal from class by an instructor or other appropriate college staff member. Any decision to exclude a student from class or the College due to excessive absence shall be subject to review by the President in accordance with established procedures. Students who have not attended class are not entitled to a refund of tuition.

WCCC HAYTAIAN & MAIER LIBRARY

Text: 908-652-4445   Email: lstoll@warren.edu

http://warren.libguides.com

Please see the library's website above for current semester hours.

The WCCC Library offers a wide range of services to students specific to the information literacy goals of the College which includes suggesting research strategies, facilitating the use of both digital and print resources, as well as assisting students with citations to avoid plagiarism.

The library also serves as the College's computer space, with computers for students to use when the library is open. Students also have free, unlimited printing from the College's computers, as well as space to study.

The library is where students can get their college student ID cards. All students are required to get a student ID card and carry it while on campus for security purposes. To get a student ID card, you must bring another form of ID to the library. You may also be asked to bring a printed copy of your current class schedule. You can get a student ID card any time that the library is open. These cards do not expire and can be used for your duration at WCCC.

Additionally, the library participates in a national inter-library loan program which is available free to all students and faculty. You can submit ILL requests by emailing the librarian or by stopping by the library's circulation desk.

TOPICAL OUTLINE:

Web Page Layout
- Incorporating basic HTML structure
- Utilizing HTML 5 semantic tags & IDs
- Utilizing design principles: contrast, repetition, alignment, proximity
- Keeping text clean, readable, and consistent
- Creating effective navigation structures (employing schemes that are recognizable, readable, consistent, familiar, and behave as expected)
- Creating drop-down menus & navigation with CSS
- Utilize fluid layouts and responsive design techniques for viewing on multiple devices, media, and screens.
- Developing a grid-based template and/or style for site and related pages
- Incorporating external (linked) CSS files for layout, formatting and media queries

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- Utilizing floats for multi-column layouts

Preparing Graphic Images for the Web
- Generating images from PIXLR web App
- Choosing and differentiating file formats (GIF, JPG, PNG)
- Color Issues: hexadecimal system, bit depth, web-safe colors, transparency
- Optimizing for best quality/file size

File Management & File Naming
- Creating site folders/directories
- Maintaining consistent recognizable file naming conventions and directory structure
- Keeping local and online files organized and up to date
- Using CSS for global updating of page elements and fonts
- Using consistent CSS ID, class, and declaration naming schemes
- Organizing CSS declarations logically and consistently

Technical Issues
- Addressing user concerns (user tendencies, disabilities, accommodations, technology, and bandwidth limitations)
- Cross-platform and cross-browser issues (compatibility testing)
- Form creation, validation, and processing
- Search engine optimization, meta tags

Emerging Technologies
- HTML 5, CSS3, JQuery, Web Fonts, Responsive Design, Media Queries, WordPress or other CMS, Bootstrap, Mobile Access/Formats

GRADING METHODS:

ITINERARY: