This is a SouthArk Master Syllabus. The course syllabus distributed by the instructor may include additional requirements, must be followed by the student in the given term, and is considered to supersede the Master Syllabus.

Course Number
CSCI 2803

Course Title
HTML/CSS/XML

Course Description
Prerequisite: CSCI 1433 intro to Web Design or higher or permission of instructor. An introduction to the basic languages used to develop web pages: Hypertext Markup language (HTML), Cascading Style Sheets (CSS), and Extensible Markup Language (XML). This hands-on course, with the majority of work being done on a PC computer. Students will learn the basics of these languages, as well as good design principles pertaining to accessibility, browsers and code functionality across multiple platforms and devices.

College Mission
South Arkansas Community College promotes excellence in learning, teaching, and service; provides lifelong educational opportunities; and serves as a cultural, intellectual, and economic resource for the community.

College Wide Student Learner Outcomes

☒Critical Thinking   ☐Responsibility   ☒Communication

ACTS Course☐   **Program Cours**e ☒   Computer Information Technology

ACTS Outcomes

Program Outcomes

PO1   Troubleshooting: Identify and resolve technical issues using appropriate technologies or analytical tools.
PO2   Business communications: Demonstrate communications skills in a business environment.
PO3   Hardware/Software Skills: Demonstrate proficiency as defined by the CIT department, in recognized industry software or hardware.
PO4   Business Ethics: Identify situations that present ethical dilemma inherent in information technology.

Course Learner Outcomes

CLO #	Course Learner Outcomes (CLO)	Unit Outcomes/ Competencies	ACTS Outcomes	Program Outcomes	Critical Thinking	Communication	Responsibility	Assessment
CLO 1	Create a simple website using HTML, CSS, and XML.	U1LO – U6LO		PO3		C3		Midterm project
CLO 2	Demonstrate their ability apply good design principles pertaining to accessibility (i.e. screen-readers, modes of site navigation, displays, etc.), browsers (i.e. Internet Explorer, Firefox, Chrome, etc.), and code functionality across	U1LO – U10LO		PO3	CT5			Midterm project

	multiple platforms and devices (i.e. operating systems, desktops, mobile devices, etc.).							
CLO 3	Identify basic security threats.	U3LO, U5LO		PO1				MTA Certification exam
CLO 4	Analyze the technological needs of end users	U3LO, U5LO		PO1				MTA Certification exam
CLO 5	Demonstrate proficiency in project management using planning, communication, and teamwork.	U1LO		PO2				Midterm project

Unit Outcomes/ Competencies/ Objectives

U1LO:
- Platform fundamentals
- Application state management
- Touch interfaces and gestures
- Debugging and testing an HTML5-based touch-enabled application
- Publishing an application to an online store

U2LO:
- HTML5 essentials
- Displaying text content
- Displaying graphics
- Playing audio and video files

U3LO:
- Organizing content
- Creating forms
- Restricting input
- Validating markup

U4LO:
- CSS essentials
- Separating content from style
- Understanding selectors and declarations
- Understanding fonts and font families
- Managing content flow
- Positioning individual elements
- Managing content overflow

U5LO:
- Arranging user interface content with CSS
- Using a flexible box to establish content alignment, direction, and orientation
- Using grid layouts to establish content alignment, direction, and orientation

U6LO:
- Managing the flow of text content by using CSS
- Using regions to flow text content between multiple sections

U7LO:
- Creating graphics effects
- Applying transparency
- Applying background gradients
- Understanding typography and the Web Open Font Format
- Applying 2D and 3D transformations
- Creating transitions and animations
- Applying SVG filter effects
- Using canvas to enhance the GUI

U8LO:
- Managing and maintaining JavaScript
- Creating and using functions
- Updating the UI by using JavaScript
- Locating and accessing elements
- Listening and responding to events
- Showing and hiding elements
- Updating the content of elements
- Adding elements

U9LO:
- Creating animations
- Working with images, shapes, and other graphics
- Manipulating the canvas with JavaScript
- Sending and receiving data
- Transmitting complex objects and parsing
- Loading and saving files
- Using the Application Cache (AppCache)
- Understanding and using data types
- Using JavaScript to validate user form input
- Understanding and using cookies
- Understanding and using local storage

U10LO:
- Touch interface
- Gestures
- Capturing geolocation data
- Using Web Workers, WebSockets, and the File API
- Accessing in-memory resources
- Hardware capabilities: GPS, accelerometer, camera

Assessment Description(s)
Formative assessment consists of chapter and end-of-chapter assignments. Summative assessment is in a comprehensive final project.

Materials and Technological Requirements
Textbook:
  98-375 HTML5 Application Development Fundamentals
  ISBN: 978-1-118-35993-8
  Publisher: Wiley
Technology Requirements:
  Headphones
  Notepad++
  Internet access (broadband recommended)
  Blackboard Learning Management System
  South Arkansas Community College email account

Class Attendance Policy
Students are expected to attend all classes in which they are enrolled. If a student is absent from a class session, it is the student's responsibility to make arrangements to complete or make up any work missed. No make-up work for missed classes will be allowed without the approval of the instructor. Students who enroll late must assume all responsibility for work missed. Classes not attended as a result of late enrollment may be counted toward excessive absences. Students not attending the entire class period may be counted absent for that period. An instructor may drop students with a grade of "WE" if students have been absent for an excessive number of days. Warning letters will be sent to the students advising them of the consequences of nonattendance and urging them to contact their instructors immediately. Excessive absences are defined as follows:

Regular Semester
    Courses which meet once a week .... 2 absences

Courses that meet twice per week .... 3 absences
Courses that meet four times per week .... 5 absences

Summer Session
Courses that meet four times per week in a five week session .... 3 absences
Courses which meet two evenings per week in a 10 week session .... 3 absences

Students enrolled in special programs or individualized instruction should contact their program director/instructor regarding specific attendance requirements for the program/course. Some of the selective-admission, health-science programs have specific criteria regarding attendance. Students are encouraged to refer to program policies in these matters.

Jury Duty/Military/Official School Function
Scheduled absences are those that occur due to college-related activities or as a result of summons to jury duty or military duty. Classes missed as a result of scheduled absences will not be counted as excessive absences if the instructor is notified and provided documentation prior to the absence(s). Make-up work for scheduled absences will be at the discretion of the instructor.

In all instances, documentation must be provided to the instructor within 24 hours of receipt. Documentation should come from an appropriate party on letterhead or other official stationery with a signature and contact information. Documentation should list the corresponding dates of the leave.

Medical leave
For medical-related absences, documentation must include written notice from the treating medical professional documenting time needed off related to medical reasons and time student may resume classes. The medical reason does not need to be listed on the documentation; the documentation must include only that there is a medical reason, the amount of time the student needs to be absent, and the time the student should be able to return to classes. Students who elect to work at home while on excused leave must meet with their instructors to make arrangements to do so. Working on coursework while on medical leave is not a requirement but can be requested by students. If students request that they be allowed to work at home while on an excused leave, the instructor will make every reasonable effort to ensure that the student is able to do so.

For students who have a medical condition necessitating time off or accommodation:

1) They may work at home on assignments if they choose to if on medical leave approved by a medical professional
2) Receive appropriate accommodations related to coursework (i.e., excused from labs with potentially harmful chemicals, have a larger desk, etc.)
3) Resume their studies where they left off once they return to classes
4) Be allowed to make up any missed work related to medical leave
5) Receive incompletes on their transcripts until coursework is completed, according to the incomplete grade contract.
6) Be given a reasonable time frame in which to complete missed coursework

Academic Honesty Policy
Students enrolled at South Arkansas Community College are expected at all times to uphold standards of integrity. Students are expected to perform honestly and to work in every way possible to eliminate academic dishonesty. Academic dishonesty includes cheating and plagiarism, which are defined as follows:

- Cheating is an attempt to deceive the instructor in his/her effort to evaluate fairly an academic exercise. Cheating includes copying another student's homework, class work, or required project (in whole or in part) and/or presenting another's work as the student's own. Cheating also includes giving, receiving, offering, and/or soliciting information on a quiz, test, or examination.

- Plagiarism is the copying of any published work such as books, magazines, audiovisual programs, electronic media, and films or copying the theme or manuscript of another student. It is plagiarism when one uses direct quotations without proper credit or when one uses the ideas of another without giving proper credit. When three or more consecutive words are borrowed, the borrowing should be recognized by the use of quotation marks and proper parenthetical and bibliographic notations.

If, upon investigation, the instructor determines that the student is guilty of cheating or plagiarism, the following penalties will apply:

- The student will receive a penalty of no less than a zero on the work in question.

- The instructor will submit a Student Academic Misconduct Form, written report of the incident, to the appropriate dean.
- The dean will submit form to Vice President for Learning to determine disciplinary action.
- The Vice President for Learning will determine whether further disciplinary action will be taken.
- All decisions may be appealed for review through the college's academic appeals procedure.

Equal Opportunity-Affirmative Action Statement
South Arkansas Community College does not discriminate on the basis of age, race, color, creed, gender, religion, marital status, veteran's status, national origin, disability, or sexual orientation in making decisions regarding employment, student admission, or other functions, operations, or activities.

Library Services
Library Homepage: http://southark.libguides.com/homepage Library Contact: LibraryStaff@southark.edu or 870.864.7115

Procedures to Accommodate Students with Disabilities:
If you need reasonable accommodations because of a disability, please report this to the Vice President of Student Services with proper documentation. . VPSS Contact: 870.875.7262

The Early Alert System
In an effort to ensure student retention and success, South Arkansas Community College employs an Early Alert System to identify and support at-risk students as soon as possible in a given semester. The intent of Early Alert is to provide this assistance while there is still time to address behaviors or issues that have the potential of preventing students from completing their courses and degree plans. Students referred through the Early Alert System will be required to work on a corrective action plan with their student advising coach and to include attendance accountability and mandatory academic tutoring either in the academic division or in the Testing and Learning Center (TLC).

Once the Student Advising Coach has met with the referred student, and again when the student has met the prescribed corrective actions, the coach will update the Early Alert System so that the instructor is kept informed of the progress in resolving issues.

Behavioral Review Team
At South Arkansas Community College (SouthArk), we are committed to proactive leadership in student wellbeing and campus safety. By focusing on prevention and early intervention with campus situations that involve any person experiencing distress or engaging in harmful or disruptive behaviors, the BRT will serve as the coordinating hub of existing resources to develop intervention and support strategies and offer case management. Students, faculty, staff, and campus guests are encouraged to report any person on campus who is a concern. BRT Contact: 870.875.7262 BRT@southark.edu

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