COURSE SYLLABUS

COURSE: **CIS 195 Internet Programming Essentials**
CREDIT: 4 semester hours ~ Fall 2019
PREREQUISITES: none
INSTRUCTOR: Cindy Roller **E-mail:** cindy.roller@southeasttech.edu
TC202 (Technology Center) **Phone:** 605-367-5560

TEXTBOOK: HTML5, CSS3, and JavaScript, 6th edition ~ by Patrick Carey
ISBN: 978-1-305-50392-2

HARDWARE REQUIREMENTS: All CIS courses require the use of a laptop computer. Assessment of computer compatibility and hardware or software issues and questions may be directed to the Southeast Tech IT Support Center at 605-367-4461. For more information regarding the Virtual PC Technology used at Southeast Tech, contact the IT Support Center.

COURSE DESCRIPTION: Students create a variety of multi-page Web sites using HTML5 (Hypertext Markup Language), JavaScript and CSS3 (Cascading Style Sheets) while expanding their knowledge of the Internet, Web and HTML-based development. Students will explore a responsive web design approach that strives for optimal viewing on a wide range of devices.

COURSE OBJECTIVES: Upon successful completion of this course, a student will be able to**:**

- Create a static web page using HTML structural elements and attributes
- Define and apply style rules to one or more web page
- Design and implement page layouts using tables and CSS style rules
- Create a Web form to accept a variety of user input
- Develop a responsive, multimedia Web site
- Test and edit an HTML document so that it is considered 'well-formed' (follows specified standards)
- Create a dynamic web page using HTML and JavaScript
- Describe objects and the document object model (DOM)
- Describe ways to address various accessibility issues on the Web

BASIS FOR EVALUATION:

Exams (50% of grade) – Traditional students will take exams with their instructor. Online students are responsible for finding an approved proctor or testing site to administer some or all exams if they are unable to use Southeast Tech's Online Support Center located on campus.

A minimum of four exams will be given during the semester. Exams will consist primarily of performance tests (where the student creates or completes an application). Tests may also include true/false, multiple choice, coding / short answer, and fill-in type questions.

Make-up exams are not available, but arrangements may be made with the instructor to take an exam prior to the scheduled testing time. Students may throw out their lowest exam score or choose not to take the last exam if they are satisfied with their grade. If a test is missed, it will be the test that's not included in the final grade.

Web-Based Projects/Lab Assignments (40% of grade)

- Each assignment will be given a due date, and *most* will close at 11:55pm on that date. Assignments should be turned in to Coursework on or before the due date. The instructor will notify students if a due date has been changed. Occasionally, an extension (with or without a penalty) might be added beyond the original due date.
- Students may receive partial credit for partial solutions and are encouraged to complete all assignments in order to build their problem-solving and coding skills.
- Always check to see if an assignment has instructions and/or files attached to it in Coursework, even if it's from the textbook.
- **In-Chapter Exercises** are step-by-step instructions and illustrations that walk you through an entire project utilizing a variety of the new topics covered in the chapter. Starter files for this type of assignment are in a folder named tutorial. It's recommended that students complete these exercises during or after reading the chapter whether they will be graded or not. Improved understanding and retention of the material and an easier time completing end-of-chapter assignments are benefits.
- **End-of-Chapter Coding Assignments** require independent thinking, problem-analysis and code design. Starter files for this type of project can be found in a folder named case# (usually 1- 4), or review.

Class Preparation, Participation, & Team Work (10% of grade) - It is expected that students demonstrate responsibility and commitment to learning by participating in the course. Each member assigned to a team project should fulfill their duties as determined by the instructor and/or other team members. Quizzes may be given unannounced and may not be made up if missed.

Students should check their school e-mail and the course website (especially the Coursework and Gradebook pages) regularly to stay current with assignments. Additional study time outside of class is required.

GRADING: The grading scale is shown below.

90% - 100%	A	80% - 89%	B	70% - 79%	C
60% - 69%	D	59% or lower	F		

A grade of "C" or higher is required for all CIS programming courses for students majoring in Programming.

ATTENDANCE POLICY: For traditional courses, punctuality and good attendance are important. Being tardy or absent has a negative effect on the learning environment and ultimately the work environment. To better prepare students for employment, this course has expectations that emulate those of a normal job. Students can monitor their attendance on STInet, and are encouraged to meet with and email their instructors if they have extenuating circumstances that cause them to be absent for an extended period of time. Students are discouraged from leaving open labs early if they have unfinished work.

CONDUCT POLICY: Students are also expected to act in a professional and courteous manner. Cheating or plagiarism may result in, at the very least, a zero for the work for everyone involved. Severe unethical behavior may result in a failing grade for the course, and possible suspension from school.

STUDENT SUCCESS: *Student success is important to Southeast Tech faculty, and all faculty are involved in assessing learning. Southeast graduates will have competence in the following four common learning outcomes:*

Technology: *Graduates will be able to understand industry-relevant technical concepts (knowledge) and demonstrate industry-relevant technical skills (performance).*

Communication*: Graduates will be able to define the purpose of the communication they are using, organize and structure the communication, and provide supporting materials for this communication. Graduates will demonstrate precision of language and will be able to professionally deliver and format the communication.*

Problem Solving & Critical Thinking*: Graduates will be able to define a problem as it relates to their field of study. They will demonstrate the ability to analyze the problem, generate solutions, evaluate solutions, and select the best solution.*

Professionalism*: Graduates will be able to demonstrate positive work ethic, collaborate as part of a team, adapt to change, adhere to professional standards, and model integrity and ethics.*

Violations of safety to self and others and/or violation of safe operating practices of equipment may result in: the reduction or loss of your daily grade; removal from class; and/or other disciplinary action.

The instructors and the faculty members in this course will act with integrity and strive to engage in equitable verbal and nonverbal behavior with respect to differences arising from age, gender, race, handicapping conditions and religion. If you have special needs as addressed by the American with Disabilities Act and need course materials in alternative formats, notify your instructor immediately. Reasonable efforts will be made to accommodate your special needs.