

COURSE SYLLABUS

ITSE 1311 (3:3:1)

BEGINNING WEB PROGRAMMING

Computer Information Systems

Technical Education

SOUTH PLAINS COLLEGE

2019 – 2020

SCANS COMPETENCIES

RESOURCES: Identifies, organizes, plans and allocates resources.

- C-1 **TIME**--Selects goal--relevant activities, ranks them, allocates time, and prepares and follows schedules.
- C-2 **MONEY**--Uses or prepares budgets, makes forecasts, keeps records, and makes adjustments to meet objectives
- C-3 **MATERIALS & FACILITIES**-Acquires, stores, allocates, and uses materials or space efficiently.
- C-4 **HUMAN RESOURCES**--Assesses skills and distributes work accordingly, evaluates performances and provides feedback.

INFORMATION--Acquires and Uses Information

- C-5 Acquires and evaluates information.
- C-6 Organizes and maintains information.
- C-7 Interprets and communicates information.
- C-8 Uses computers to Process information.

INTERPERSONAL--Works With Others

- C-9 Participates as members of a team and contributes to group effort.
- C-10 Teaches others new skills.
- C-11 Serves clients/customers--works to satisfy customer's expectations.
- C-12 Exercises leadership--communicates ideas to justify position, persuades and convinces others, responsibly challenges existing procedures and policies.
- C-13 Negotiates-Works toward agreements involving exchanges of resources resolves divergent interests.
- C-14 Works with Diversity-Works well with men and women from diverse backgrounds.

SYSTEMS--Understands Complex Interrelationships

- C-15 Understands Systems--Knows how social, organizational, and technological systems work and operates effectively with them
- C-16 Monitors and Correct Performance-Distinguishes trends, predicts impacts on system operations, diagnoses systems' performance and corrects malfunctions.
- C-17 Improves or Designs Systems-Suggests modifications to existing systems and develops new or alternative systems to improve performance.

TECHNOLOGY--Works with a variety of technologies

- C-18 Selects Technology--Chooses procedures, tools, or equipment including computers and related technologies.
- C-19 Applies Technology to Task-Understands overall intent and proper procedures for setup and operation of equipment.
- C-20 Maintains and Troubleshoots Equipment-Prevents, identifies, or solves problems with equipment, including computers and other technologies.

FOUNDATION SKILLS

BASIC SKILLS--Reads, writes, performs arithmetic and mathematical operations, listens and speaks

- F-1 Reading--locates, understands, and interprets written information in prose and in documents such as manuals, graphs, and schedules.
- F-2 Writing-Communicates thoughts, ideas, information and messages in writing, and creates documents such as letters, directions, manuals, reports, graphs, and flow charts.
- F-3 Arithmetic--Performs basic computations; uses basic numerical concepts such as whole numbers, etc.
- F-4 Mathematics--Approaches practical problems by choosing appropriately from a variety of mathematical techniques.
- F-5 Listening--Receives, attends to, interprets, and responds to verbal messages and other cues.
- F-6 Speaking--Organizes ideas and communicates orally.

THINKING SKILLS--Thinks creatively, makes decisions, solves problems, visualizes, and knows how to learn and reason

- F-7 Creative Thinking--Generates new ideas.
- F-8 Decision-Making--Specifies goals and constraints, generates alternatives, considers risks, and evaluates and chooses best alternative.
- F-9 Problem Solving--Recognizes problems and devises and implements plan of action.
- F-10 Seeing Things in the Mind's Eye--Organizes and processes symbols, pictures, graphs, objects, and other information.
- F-11 Knowing How to Learn--Uses efficient learning techniques to acquire and apply new knowledge and skills.
- F-12 Reasoning--Discovers a rule or principle underlying the relationship between two or more objects and applies it when solving a problem.

PERSONAL QUALITIES--Displays responsibility, self-esteem, sociability, self-management, integrity and honesty

- F-13 Responsibility--Exerts a high level of effort and preservers towards goal attainment.
- F-14 Self-Esteem--Believe sin own self-worth and maintains a positive view of self.
- F-15 Sociability--Demonstrates understanding, friendliness, adaptability, empathy, and politeness in group settings.
- F-16 Self-Management--Assesses self accurately, sets personal goals, monitors progress, and exhibits self-control.
- F-17 Integrity/Honesty--Chooses ethical courses of action.

COURSE SYLLABUS

COURSE TITLE: Beginning Web Programming

INSTRUCTOR: Jesse Day

OFFICE LOCATION: TC 207

PHONE: (806) 716-2255

E-MAIL: jday@southplainscollege.edu

OFFICE HOURS: M 9:00 AM – 11:00 AM
TR 01:30 PM - 3:00 PM
Friday 10:30 AM - 01:30 PM (By Appointment)

SOUTH PLAINS COLLEGE IMPROVES EACH STUDENT'S LIFE

I. GENERAL COURSE INFORMATION:

- A. **Course Description:** Web page programming including mark-up and scripting languages. May include use of HTML5, CSS3, and JavaScript. Introduction to structure and object oriented programming design.
- B. **Course Objectives:** Through the use of the Internet, lab assignments, class discussion, and course project, the student will learn how to properly design and create web pages for use in the business world. Extensive use of the Internet will be utilized to send and receive information, as well as play a vital part in our day-to-day course material.
- C. **Course Outcomes:**
- Discuss current issues in web site design and development
 - Discuss, design, and maintain affective, effective, and efficient websites
 - Evaluate web page information
 - Learn web architectures
 - Develop web pages and web sites for businesses using HTML and other web technologies
- D. **Academic Integrity:** It is the aim of South Plains College to foster a spirit of complete honesty and a high standard of integrity. The attempt of any student to present assignments, which he or she has not honestly performed, is regarded as serious offense. The offender is liable to the consequences for cheating and plagiarism as described in the SPC catalog in sections, “Academic Integrity and “Student Conduct.”
- E. **SCANS and Foundation Skills:** The Secretary’s Commission on Achieving Necessary Skills (SCANS) was appointed by the Secretary of Labor to determine the skills that young people need to succeed in the world of work. The purpose is to encourage high-performance economy characterized by high-skill, high-wage employment. Eleven skill areas were identified by the Commission. The Foundation Skills involve reading, writing, and mathematics. The other eight areas refer to workplace skills, such as working with clients and co-workers.
- Foundation skills F3, F5, F9, F10, F11, F13, F14, F15, F16, and F17
Competencies: C1, C2, C3, C4, C5, C6, C7, C8, C9, C11, and C14

II. SPECIFIC COURSE REQUIREMENTS:

A. Textbook:

Name of Book: HTML5 and CSS3 Complete, 2nd Edition, Sasha Vodnik,
ISBN: 978-1-305-39404-9 © 2015

B. Attendance Policy: Whenever absences become excessive and, in the instructor's opinion, minimum course objectives cannot be met due to absences, the student should be withdrawn from the course. The student is expected to participate regularly. Records of student's participation will be maintained throughout the semester. A student can be dropped from this course after missing two consecutive deadlines in turning in lesson assignments and quizzes.

C. Assignment Policy: Assigned chapters are to be read along with Lab assignments will be given throughout the semester and will be submitted to instructor

D. Labs: Students may do assignments at the SPC computer lab or at home/work if you have the exact software programs and exact version of the software as used at SPC. Arranged labs: An arranged lab of two (2) hours per week is considered a requirement of this class. The student is responsible for completing class and homework assignments as assigned by the instructor. Open computer lab: The open lab is located in Technology Center in Levelland and is available to all students.

E. Grading Policy: Semester grade will be determined by 3 exams (25%), lab assignments (25%), Discussions (25%) final project (15%), and class participation (10%).

III. ACCOMMODATIONS

- A. **Electronic Assignments:** This class will involve the use of the Internet and some access to discussion groups, forums, bulletin boards, and e-mail programs and/or chat rooms in order to complete the objectives for this class. Topics assigned by the instructor will be relevant to the objectives of this course.
- B. **Liability Disclaimer:** This is to notify you that the materials you may be accessing in chat rooms, bulletin boards or unofficial web pages are not officially sponsored by South Plains College. The United States Constitution rights of free speech apply to all members of our community regardless of the medium used. We disclaim all liability for data, information or opinions expressed in these forums.
- C. **Diversity Statement:** In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.
- D. **Disabilities Statement:** Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland (Student Health & Wellness Office) 806-716-2577, Reese Center (Building 8) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.
- E. **Non-Discrimination Statement:** South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX 79336. Phone number 806-716-2360.
- F. **Title IX Pregnancy Accommodations Statement:** If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To activate accommodations you must submit a Title IX pregnancy accommodations request, along with specific medical documentation, to the Director of Health and Wellness. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact the Director of Health and Wellness at 806-716-2362 for assistance.

III. COURSE SCHEDULE

Section I (Due: October 3rd)

Unit A: Getting Started with HTML

Unit B: Structuring Content in a Web Document

Unit C: Getting Started with CSS

Unit D: Laying Out Elements with CSS

Section 1 Exam

Section II (Due: November 5th)

Unit E: Formatting Text with CSS

Unit F: Inserting and Working with Links

Unit G: Inserting and Working with Images

Unit H: Organizing Content with Lists and Tables

Section 2 Exam

Section 3 (Due: December 4th)

Unit I: Implementing Responsive Design

Unit J: Creating and Processing Web Forms

Unit K: Creating Visual Effects and Animation

Unit L: Incorporating Video and Audio

No Exam

Comprehensive Final Project (Due: December 11th)