

COURSE: CIS 241 Dynamic Website Development

CREDIT: 3 semester credits

INSTRUCTOR: Gary Kappenman

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SCHOOL: Southeast Technical Institute

ADDRESS: 2320 N. Career Avenue, Sioux Falls, SD 57107

DESCRIPTION: This course addresses the rapid evolution of Internet web site development towards a high level of integration of graphics, programming, and dynamic data/information supplied by database management systems (DBMS). The coursework includes discussion and integration of graphics, still images, client and server side scripting languages and data supplied by a DBMS system. A PHP driven Content Management Systems (CMS) based website will be built and edited which allows a user to update the content of a website without requiring programming by the user. An electronic portfolio will be developed by each individual student during the course to provide potential employers with the student's resume, course syllabi and samples of a student's web programming work at STI. Adobe Dreamweaver CS5 will be used as the primary web site development, integration and management software for the course.

PREREQUISITES: CIS 130, CIS195

TEXTBOOK: "Adobe Dreamweaver CS5 with PHP: Training from the Source" by David Powers.

Publisher: Peachpit ISBN#: 978-0-321-71984-3

COMPETENCIES: The student should have the following skills upon successful completion of this course:

- Ability to rapidly create attractive static web sites utilizing text, graphics, and pictures
- Ability to create attractive, dynamic web sites which integrate Internet applications and databases
- Ability to configure and test dynamic web sites on Apache web server
- Ability to create, modify and test client and server-side scripts for use in Internet applications
- Ability to configure and test Database Management Systems for use with Internet applications

BASIS FOR EVALUATION:

Exams & Quizzes (40% of grade) - Four exams will be given after major topics. Exams will consist of open book performance tests including coding, documenting and debugging PHP programs. Make-up exams are not available unless mutually agreed to and scheduled BEFORE the related test date.

Lab Assignments - Personal Electronic Portfolio Website Development (40% of grade) - Each student will be required to create a personal electronic portfolio website meeting certain minimum requirements which will be provided by the instructor. Milestone goals and due dates will be set by the instructor and these goals and related due dates must be met by the student unless arrangements prior to the due dates are mutually agreed to by the student and the instructor (e.g., if you are out sick or have a family emergency which will prevent you from meeting the milestone due dates then you must make arrangements with your instructor for a mutually accepted alternative due date on or before the assignment is due).

Lab Assignments - Lab Exercises (20% of grade) - Students will be assigned lab exercises related to topics covered in the course and the tests will be based upon the lab exercises, so it is important that each student completes all the exercises. Due dates will be set by the instructor and all lab exercises must be submitted on or before their due date unless an arrangement prior to the due date is mutually agreed to by the student and the instructor

GRADING

Grades will be earned on a point system, and will be determined by using the following formula:

$$(\text{Points Earned} - \text{Deductions}) / \text{Points Possible}$$

The grading scale is as follows:

A+ = 99 to 100	A = 94 to 98.99	A- = 89.5 to 93.99
B+ = 89 to 89.49	B = 84 to 88.99	B- = 79.5 to 83.99
C+ = 79 to 79.49	C = 74 to 78.99	C- = 69.5 to 73.99
D = 63 to 69.49	D- = 59.5 to 62.99	F = 0 to 59.49

The +/- designators are not used to calculate Grade Point Average (GPA) on STI transcripts

STUDENT RESPONSIBILITY

It is the student's responsibility to be an active participant in class. Integrity and professional work ethics will be demonstrated by the instructor and required from the students. Please refer to your Student Handbook for more details. Cheating and plagiarism will result in a zero for that work. Further unethical behavior will result in a failing grade for the course. *

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.

STUDENT SUCCESS

Student success is important to our faculty, and all faculty are involved in assessing learning. Upon completion of a degree, Southeast graduates will have demonstrated competence in the following areas:

*Refer to your SETI Student Handbook for additional school policies.

Science and Technology: Technical competence including knowledge of technology and/or scientific principles as these apply to programs.

Problem Solving & Critical Thinking: The ability to select and use various approaches to solve a wide variety of problems – scientific, mathematical, social and personal. Graduates will also be able to evaluate information from a variety of perspectives, analyze data, and make appropriate judgments.

Communication: The ability to communicate effectively in several forms – oral, written, nonverbal and interpersonal. Graduates will also demonstrate knowledge of how to manage and access information.

Professionalism: Strong work ethic, including responsible attendance; skill in teamwork and collaboration, as well as an ability to work with others, respecting diversity; ability to adapt to change; commitment to lifelong learning; adherence to professional standards; and positive self-esteem and integrity.