COURSE: CIS 241 Dynamic Website Development
CREDIT: 3 semester credits
INSTRUCTOR: Huda Judeh
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SCHOOL: Southeast Technical Institute
ADDRESS: 2320 N. Career Avenue, Sioux Falls, SD 57107

DESCRIPTION: This course addresses the 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. A PHP/MySQL based electronic portfolio will be developed by each individual student during the course and posted to the Internet to provide potential employers with the student's resume, CIS Programming syllabi and samples of the student's web programming work in HTML, CSS, JavaScript, PHP, MySQL, C# and Java.

PREREQUISITES: CIS130, CIS195

TEXTBOOK: "PHP and MySQL" (3rd Edition) by Joel Murach & Ray Harris
Publisher: Mike Murach & Associates, Inc. ISBN: 978-1-943872-38-1

Objectives:

- Assemble static elements including text, graphics, and pictures into professional appearing web sites
- Develop, test & debug client side JavaScript programs & AJAX/AJAJ client-server programs
- Create, test & debug server side PHP programs
- Use MySQL Database Management System to create database tables for use with Internet applications
- Design attractive, dynamic web sites which integrate Internet applications and databases
- Publish unique websites including static, dynamic and database elements to a remote web server

BASIS FOR EVALUATION:

Exams & Quizzes (55% of grade) - Four exams will be given after major topics. Exams will consist of open book performance tests including coding, documenting and debugging static & dynamic websites. **Make-up exams are not available unless mutually agreed to and scheduled BEFORE the related test date.**

Lab Assignments - Lab Exercises (30% of grade) - Students will be assigned lab exercises related to topics covered in the course and the tests will be based on the material covered by 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 / posted to an Internet accessible web host on or before their due date unless an arrangement prior to the due date is mutually agreed to by the student and the instructor.

Lab Assignments - Personal Electronic Portfolio (15% of grade) - Each student will be required to create a personal electronic portfolio website and post their portfolios as individual exercises to an Internet accessible web host. The website must meet certain minimum requirements which will be provided by the instructor. Due dates will be set by the instructor and all portfolio 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:

(PointsEarned – Deductions) / PointsPossible

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:

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

2. **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.

3. **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.

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

4. **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.