

Computer Technology Department
Business/Public Service and Technology Division
GREENVILLE TECHNICAL COLLEGE

COURSE SYLLABUS

Course Title: Intermediate Website Design

Course Number: IST 237

READ THIS SYLLABUS CAREFULLY

You should read this syllabus carefully and ask your instructor about *any* aspects that you do not understand. The syllabus is an agreement between you and your instructor concerning course objectives, course content, grading, and other policies and procedures particular to this course. The following information is specific to the course. Three additional documents are provided as attachments and *are considered a part of this syllabus*:

Attachment 1:

Each instructor will provide a supplement to this syllabus. The supplement will include: a week-by-week plan of instruction based on the section in which you are enrolled; your instructor's name, office hours and/or office location; and your instructor's contact information and recommended best methods to contact your instructor.

Attachment 2:

The Department responsible for developing and teaching has policies and procedures in place to assure quality instruction for all students. These are attached as "Departmental Policies and Procedures."

Attachment 3:

Please note that it is your responsibility to read the current Student Handbook included in Greenville Technical College's Catalog. (See website.) The Student Handbook addresses specific academic and student conduct policies and procedures. Excerpts from the Student Handbook representing the policies and procedures most often referred to in working with students are provided for your convenience as "Attachment 3."

Approved by: _____

Phillip Cluley, Department Head for Computer Technology

Phillip.Cluley@gvltec.edu (864) 250-8655, Barton Campus, Building 103/309

Approved by: _____

Date: _____

Joel D. Welch, Ph.D., PE

Dean, Technology Division

This syllabus will remain in effect until revised or reviewed no later than August 2016.

Approved by: _____
Beau Sanders, Department Head, Computer Technology Department
beau.sanders@gvltec.edu, (864) 250-8314, Barton Campus, Building 103/311

Approved by: _____
Wanda Clark, Associate Vice President
for the Dean of Business/Public Service Division
Date _____ Dean's Office: (864) 250-8196, Barton Campus, Engineering Technology Building 103/104

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COURSE SYLLABUS

Course Title: Intermediate Website Design
Course Number: IST 237

Lecture hours per week: 3.0 **Lab/Clinic Hours:** **Semester credit hours:** 3.0

Prerequisites: Placement into MAT 032 and RDG 100 or higher. Computer Technology students must obtain a minimum grade of "C" in all CPT and IST courses.

Catalog Course Description: This course is a study of server-side (CGI; Dynamic HTML) and client-side (JavaScript) dynamic web design, including the incorporation of database applications and content into WebPages.

Purpose of the Course:

1. To develop well-disciplined, structured coding habits using HTML and other important web programming languages.
2. To model coding to the emerging HTML standard.
3. To troubleshoot site problems such as missing images and broken links.
4. To incorporate dynamic elements into website projects using original (not editor-produced) code.

Required text(s) and other materials:

1. Blended HTML and CSS Fundamentals; Third Edition; Henry Bojack and Sharon Scollard; Cengage Learning; ISBN: 978-1-133-52610-0
2. NOTE: Students in traditional classes must access Blackboard for course-related information. Students in hybrid and online classes will access their online content through Blackboard.

COLLEGE-WIDE STUDENT LEARNING OUTCOMES

1. Communication – Students will demonstrate the ability to use active reading and listening skills and to produce effective written and oral communication for varying audiences.

2. Information Technology and Technological Literacy – Students will demonstrate competency in using computer technology within a field of study.
3. Critical Thinking/Reasoning – Students will demonstrate the ability to apply the scientific method, mathematical processes, and research skills to analyze and solve problems/issues by using reflection and reasoning to justify conclusions.
4. Professional and Personal Responsibility – Students will demonstrate the ability to exhibit conduct, attitudes, and etiquette appropriate to the student’s community and chosen career. Students will demonstrate the ability to manage time, to use effective interpersonal skills, and to display responsible behavior.
5. Diversity – Students will demonstrate the ability to recognize diversity and to demonstrate respectful conduct and attitudes toward all. Students will demonstrate the ability to explain how global issues impact life, work, and opportunities.

Revised December 31, 2012

COMPUTER TECHNOLOGY PROGRAM LEVEL STUDENT LEARNING OUTCOMES
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Upon successful completion of the Computer Technology Degree students will be able to:

1. Install computer and network hardware.
2. Install computer operating systems and application software.
3. Design, create and test computer programming solutions.
4. Demonstrate the ability to take initiative, assume responsibility, and work under pressure with minimum supervision by successfully completing “hands-on” computer assignments.
5. Analyze, troubleshoot, and correct computer related technical problems.

Revised August 2012

IST 237 COURSE OUTCOMES

Students who successfully complete this course will have demonstrated the skills required to accomplish the following objectives with a minimum competence level of 70 percent.

1. Generate and verify HTML code to the HTML standard.
2. Apply HTML tags to produce an HTML template to the HTML standard.
3. Produce functioning reference codes to support page link hierarchies within an existing website.
4. Troubleshoot HTML code for path and filename errors that cause missing links to graphics or HTML webpage files.
5. Produce ordered and unordered, nested, and blocked lists using HTML tags.
6. Control format including use of physical and logical styles.
7. Incorporate appropriately-sized image and multimedia files using source and alternative text tags.
8. Control screen layout using table tags and frames.
9. Use CSS effectively for format, layout and printing.
10. Code forms to handle and return user input via e-mail or to process form data using Common Gateway Interface (CGI) procedures.

The objectives of the IST 237 course are intended to meet the CPT program level student learning outcomes numbered 2 and 6 above.

IST 237 – MAIN TOPICS

PLAN OF INSTRUCTION:

TEXT

CHAPTER

MAJOR TOPICS

Tutorial 1: Using HTML to Create Web Pages
Tutorial 1 Lab Assignment

Tutorial 2: Creating Links
Tutorial 2 Lab Assignment

Tutorial 3: Introducing Cascading Style Sheets
Tutorial 3 Lab Assignment

Test 1

Tutorial 4: Formatting Text and Links
Tutorial 4 Lab Assignment

Tutorial 5: Working with the Box Model
Tutorial 5 Lab Assignment

Tutorial 6: Creating Fixed-Width Layouts
Tutorial 6 Lab Assignment

Test 2

Tutorial 7: Creating Liquid Layouts
Tutorial 7 Lab Assignment

Tutorial 8: Creating Data Tables
Tutorial 8 Lab Assignment

Tutorial 9: Creating Forms
Tutorial 9 Lab Assignment

Test 3

FINAL EXAM PROJECT

NOTE: Students enrolled in the online class will have a Class Calendar/Outline to follow.

The instructor reserves the right to modify the Plan of Instruction by changing the sequence of text material or testing content.

IST 237 – COURSE SPECIFIC REQUIREMENTS

Internet access

Notepad or other text software that does not insert formatting code

IST 237 – EVALUATION AND GRADING INFORMATION

Grades for this course will be calculated as follows:

Forty (40) percent of the final grade will be based on the average of the unit projects.

Points will be deducted for the following on all assignments:

- Web pages that do not display and/or link properly (broken links, missing graphics)
- Errors in grammar, spelling, punctuation, capitalization or word use in papers or on publishable web pages
- Lateness

Twenty (30) percent of the final grade will be based on the average of unit tests.

Ten (10) percent of the final grade will be based on the grade for bulletin board participation.

Twenty (20) percent of the final grade will be based on the grade for the Final Exam project.

This project will take the place of the final exam.

All assignments (i.e., labs, projects, research papers, etc.) for this course must be completed and submitted to the instructor by the due date established in order to receive credit for the assignment.

Final letter grades will be issued as follows:

A = 90 - 100
B = 80 - 89
C = 70 - 79

D = 60 - 69

F = 0 - 59

~~Business/Public Service Division — Assistant Dean Information~~

~~During the semester, if you have any issues that need to be addressed at an administrative level, the Business/Public Service has two assistant deans in addition to the Dean who will be glad to speak with you about your concerns. They are available via email, phone, or in their offices as provided below:~~

~~Mary Locke, Assistant Dean, Business/Public Service for Student Services~~

~~mary.locke@gvltec.edu, (864) 250-8629, Barton Campus, Engineering Technology Building 103/304~~

~~Elizabeth Mann, Assistant Dean, Business/Public Service for Teaching and Learning~~

~~elizabeth.mann@gvltec.edu, (864) 250-8491, Barton Campus, Criminal Justice Building 121/124~~