

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

COURSE SYLLABUS

Course Title: Advanced Tools for Website Design

Course Number: IST 238

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

~~This syllabus will remain in effect until revised or reviewed no later than August 2015.~~

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GREENVILLE TECHNICAL COLLEGE

COURSE SYLLABUS

Course Title: Advanced Tools for Website Design

Course Number: IST 238

Lecture hours per week: 3.0

Lab/Clinic Hours:

Semester credit hours: 3.0

Prerequisites: IST 227 and IST 237. 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 an advanced (fourth generation) web authoring tool (such as Dreamweaver) to develop increased efficiency and sophistication in website design and web project management. Note: Course taught via College Online only.

Purpose of the Course:

1. To develop skills and methodologies for producing professional quality websites using a full-functioned round-trip HTML editor, Dreamweaver.
2. To strengthen site management expertise that ensures efficient, error-free files and file structures.
3. To control web designs at the HTML level developing clean code while making best use of WYSIWYG development tools.
4. To analyze website meta-issues of access and cataloging in order that search engines make optimum inclusions of the site in search results accompanied by highly communicative descriptions.

Required text(s) or other materials:

1. [The Web Collection Revealed CS6, Standard Edition](#)~~Adobe Dreamweaver CS6 Revealed~~; Sherry Bishop, [Shuman, Waxer](#); Cengage Learning; ISBN: ~~978-1-133-81507-5~~ ~~978-1-133-69320-8~~
2. *Software tools needed:*
 - Adobe ~~Creative Suite 6~~~~Dreamweaver~~ CS6. ~~Dreamweaver CS6~~~~Adobe CS6~~ is available in the Engineering Technologies Building (Building 103) - Room 113 computer lab. [Four computers are available for student use.](#)
3. 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

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 238 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. Design, create, test and publish a website to prescribed specifications, following established standards using [Dreamweaver](#) [Adobe CS6](#).

2. Demonstrate best practices using site management, roundtrip HTML features, and other tools to produce cleanly coded, readily updated webpages.
3. Understand and make best use of META tags for search engine finds.
4. Verify designs to address browser issues.
5. Make best use of graphic and media elements and libraries to produce integrated page designs, including use of Fireworks for visual effects and Flash objects to add dynamics.
6. Demonstrate fundamental team building, project management, and presentation skills by participating in a team project that includes team goals and values, a development methodology for page creation, group presentations, and exposure to topics such as diversity, time management, and goal setting.
7. Demonstrate the ability to take initiative, assume responsibility, and work under pressure, with minimum supervision, by successfully completing “hands-on” computer lab assignments.

The objectives of the IST 238 course are intended to meet the CPT program level student learning outcomes.

IST 238 – MAIN TOPICS

PLAN OF INSTRUCTION:

TEXT

CHAPTER	MAJOR TOPICS
<u>Bridge</u> Chapter 1: Chapter 1-	<u>Getting Started with Dreamweaver</u> <u>Using Adobe Bridge to Manage Assets</u> Lab Assignment
<u>Dreamweaver</u> Chapter 21: Chapter 2-	<u>Developing a Web Page</u> <u>Getting Started with Dreamweaver</u> Lab Assignment
Chapter 32: Chapter 3-	<u>Working with Text and Cascading Style Sheets</u> <u>Developing a Web Page</u> Lab Assignment
Test 1: _____	<u>Chapters 1–3</u>
Chapter 43: Chapter 4-	<u>Adding Images</u> <u>Working with Text and Cascading Style Sheets</u> Lab Assignment
<u>Test Project 1: Dreamweaver</u>	
Chapter 54: Chapter 5-	<u>Working with Links and Navigation</u> <u>Adding Images</u> Lab Assignment
Chapter 65: Chapter 6-	<u>Positioning Objects with CSS and Tables</u> <u>Working with Links and Navigation</u> Lab Assignment
Test 2: _____	<u>Chapters 4–6</u>
Chapter 68: Chapter 8-	<u>Using Styles and Style Sheets for Design</u> <u>Positioning Objects with CSS and Tables</u> Lab Assignment

Bridge

Chapter 1: Getting Started with DreamweaverUsing Adobe Bridge to Manage Assets
~~Chapter 1-~~ Lab Assignment

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Dreamweaver

Chapter 21: Developing a Web PageGetting Started with Dreamweaver
~~Chapter 2-~~ Lab Assignment

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Chapter 32: Working with Text and Cascading Style SheetsDeveloping a Web Page
~~Chapter 3-~~ Lab Assignment

Test 1: ~~_____~~ Chapters 1–3

Chapter 43: Adding ImagesWorking with Text and Cascading Style Sheets
~~Chapter 4-~~ Lab Assignment

Test Project 1: Dreamweaver

Chapter 54: Working with Links and NavigationAdding Images
~~Chapter 5-~~ Lab Assignment

Chapter 65: Positioning Objects with CSS and TablesWorking with Links and Navigation
~~Chapter 6-~~ Lab Assignment

Test 2: ~~_____~~ Chapters 4–6

Chapter 68: Using Styles and Style Sheets for DesignPositioning Objects with CSS and Tables
~~Chapter 8-~~ Lab Assignment

[Chapter 9: Collecting Data with Forms](#)
[Chapter 9 Lab Assignment](#)

Test [Project 2-3: Chapters 8-9 Dreamweaver](#)

Flash

[Chapter 11: Adding Media and Interactivity with Flash and Spry](#)
[Chapter 11 Lab Assignment](#)

[Chapter 2: Drawing Objects in Adobe Flash](#)
[Lab Assignment](#)

[Chapter 3: Working with Symbols and Interactivity](#)
[Lab Assignments](#)

[Chapter 4: Creating Animations](#)
[Lab Assignment](#)

[Chapter 5: Creating Special Effects](#)
[Lab Assignment](#)

[Chapter 6: Preparing and Publishing Applications](#)
[Lab Assignment](#)

[Test Project 3: Flash](#)

Fireworks

[Chapter 1: Getting started with Adobe Fireworks](#)
[Lab Assignment](#)

[Chapter 2: Working with Objects](#)
[Lab Assignment](#)

[Chapter 3: Importing, Selecting, and Modifying Graphics](#)
[Lab Assignment](#)

[Test Project 4: Fireworks](#)

FINAL EXAM PORTFOLIO PROJECT

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

IST 238 – COURSE SPECIFIC REQUIREMENTS

It is recommended that you purchase your own copy of Adobe Creative Suite6 (Adobe CS6) to use for this class. If you choose to purchase the Adobe CS6, purchasing the Teacher and Student edition is the

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cheapest option. The Teacher and Student Edition is for non-commercial use only. [You also have the option of paying a monthly fee for access to the Adobe CS6 cloud based version. Make sure you read and understand the user agreement if choosing to use the Adobe CS6 cloud based software.](#)

The textbook for this class is based on Adobe CS6. If you are purchasing new software, buy the current Adobe CS6 version. The Adobe [CS6](#) software is also available for your use in the Business Division Student Lab located in the Engineering Building (#103), Room 113, on the Barton Campus. [Four computers will have the Adobe CS6 software on them. Consult the ET 115 Lab Assistant if necessary to locate the computer with the installed Adobe CS6 software.](#)

*****There will be homework assignments with each unit which WILL require lab time in ADDITION to class time.**

IST 238 – 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.
~~Thirty-Forty (3040) 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 participation in online Discussions.~~
Twenty (20) percent of the final grade will be based on the grade for the Portfolio project. The final project takes the place of the final exam for this course.

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~~