

CIST 2550
Fall 2015 Syllabus/Lesson Plan

****Disclaimer Statements****

******Instructor reserves the right to change the syllabus and/or lesson plan as necessary.******

*****The official copy of the syllabus is located inside the student's online course shell or will be given to them during face to face class time the first day of the semester. The syllabus displayed in advance of the semester in a location other than the course you are enrolled in is for planning purposes only.*****



**CIST 2550
WEB DEVELOPMENT II
COURSE SYLLABUS
Lecture/Lab
Fall Semester 2015**

Semester: Fall 2015
Course Title: Web Development II
Course Number: CIST 2550
Credit Hours/ Minutes: 3 / 3000
Class Location: Room 812 Gillis Building
Class Meets: 8:15-10:05 am, M/W
CRN: 20053

Instructor: John Taylor
Office Hours: 3-5:30 pm M-Th
Office Location: Room 810, Gillis Building
Email Address: jtaylor@southeasterntech.edu
Phone: 912-538-3116
Fax Number: 912-538-3106

REQUIRED TEXTS:

	<p>PHP and MySQL for Dynamic Web Sites: Visual QuickPro Guide, 4/E</p> <p>Larry Ullman</p> <p>ISBN-10: 0321784073 • ISBN-13: 9780321784070</p> <p>©2012 • Peachpit Press • Paper, 696 pp Published 09/13/2011</p> <p>You can purchase from the STC bookstore stcbookstore@southeasterntech.edu or 912-538-3129.</p>
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REQUIRED SUPPLIES & SOFTWARE: Internet Access required; Notepad++, HeidiSQL, FileZilla.

COURSE DESCRIPTION: Web Development II teaches students how to manipulate data in a database using the Open Database Connectivity (ODBC) model. Students will learn to retrieve, update, and display database information with a web application. Database access may be accomplished using a web programming language (such as PHP, Microsoft VB, Microsoft C#, or SUN Java). Topics include manipulating data in a database, working with a relational database via ODBC, working with different database systems, developing forms and applications to interact with a database server(s), modifying data in a database, and controls and validation.

MAJOR COURSE COMPETENCIES: Construct a Database, Implement a Relational Database via ODBC, Develop Forms and Applications to Interact with File Systems, Email and Database Servers, Modify Data in a Database, and Design Controls and Validation.

PREREQUISITES: Program Admission

COURSE OUTLINE:

1. Web Site Development and Adobe Dreamweaver Creative Cloud
2. Creating a New Web Site with Dreamweaver
3. Creating a Template for Mobile Website Using Responsive Design
4. Modifying a Responsive Design Template for Tablet and Desktop Displays
5. Adding Graphics and Links
6. Exploring Tables and Forms
7. Enhancing Web pages with Audio and Video
8. Interacting with jQuery User Interface Widgets
9. Publishing a Website
10. Building a Mobile Web Application

GENERAL EDUCATION CORE COMPETENCIES: STC has identified the following general education core competencies that graduates will attain:

1. The ability to utilize standard written English.
2. The ability to solve practical mathematical problems.
3. The ability to read, analyze, and interpret information.

All students pursuing a degree, a diploma, or a Technical Certificate of Credit with a General Education component will be required to pass the General Education Competency Exams prior to graduation.

STUDENT REQUIREMENTS: Class attendance is a very important aspect of a student's success in this course. Responsibility for class attendance rests with the student. Regular and punctual attendance at all scheduled classes is expected. Students are expected to complete all work required by the instructor. Exceptions to the due dates of assignments due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

- **Students are expected to come prepared for each class meeting, focused and ready to learn.** This means that it is necessary to read the chapters and work outside of class in order to succeed in this course. A detailed lesson schedule has been provided at the end of this syllabus.
- **Students MUST wear their STC id; one free lanyard is provided in the student affairs division. Students may NOT enter the classroom without their student id visible. This is strictly enforced.**
- Students should complete all work shown on the attached tentative lesson schedule by the scheduled deadlines, unless otherwise notified of a change in deadline.
- Homework will be collected for a grade. **Homework assignments will not be graded after the due date; a zero will be assigned if homework is not submitted on or before the due date.**

- There may be graded in class activities planned in which you will not be able to participate if you are not prepared for that day's class.
- **Unannounced quizzes or in-class assignments are subject to be given every day. A grade of zero will be assigned for any quizzes or in class assignments missed. There will be no makeup of quizzes or in class assignments; a grade of zero will be assigned.**
- Please make every effort to be in class every day. However, if you are SICK and CONTAGIOUS, please do not come to class.
- Students are expected to complete all tests, labs, and other assignments on the dates specified on the attached lesson schedule.
- Instructor reserves the right to modify the tentative lesson schedule attached to this syllabus with notice.
- Students should subscribe to remind.com for reminder from the instructor via email or text. Instructions will be provided to students.
- Students are responsible for policies and procedures included in the STC Catalog and must acknowledge this by signing the acknowledgement provided on the first day of class.

WORK ETHICS: The Technical College System of Georgia instructs and evaluates students on work ethics in all programs of study. Ten work ethics traits have been identified and defined as essential for student success: appearance, attendance, attitude, character, communication, cooperation, organizational skills, productivity, respect, and teamwork. Students will be required to take a work ethics exam as marked in the lesson plan. A grade of 70 or better is required to complete the work ethics requirements for this class.

CAPSTONE EXIT EXAM/PROJECT: All Web Site Design diploma and degree students are required to pass the Capstone Exam/Project of CIST2550 at the end of the semester. Students must score 70% or better on the Capstone Exam/Project to successfully complete the course. Students scoring below 70 will be required to retake CIST2550.

ATTENDANCE GUIDELINES: Class attendance is a very important aspect of a student's success. Being absent from class prevents students from receiving the full benefit of a course and also interrupts the learning process. Southeastern Technical College considers both tardiness and leaving early as types of absenteeism. Responsibility for class attendance rests with the student. Regular and punctual attendance at all scheduled classes is required for student success. Students will be expected to complete all work required by the instructor as described in the individual course syllabus.

Instructors have the right to give unannounced quizzes/assignments. Students who miss an unannounced quiz or assignment will receive a grade of 0. Students who stop attending class, but do not formally withdraw, may receive a grade of F and face financial aid repercussions in upcoming semesters.

Instructors are responsible for determining whether missed work may be made up and the content and dates for makeup work is at the discretion of the instructor.

Students **will not** be withdrawn from class by an instructor for attendance; however, all instructors will keep records of graded assignments and student participation in course activities. The completion dates of these activities will be used to determine a student's last date of attendance in the event a student withdraws, stops attending, or receives an F in a course.

SPECIAL NEEDS: *Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact Jan Brantley, Room 1208 Swainsboro Campus, 478-289-2274, or Helen Thomas, Room 108 Vidalia Campus, 912-538-3126, to coordinate reasonable accommodations.*

SPECIFIC ABSENCES: Provisions for Instructional Time missed because of documented absences due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

PREGNANCY: Southeastern Technical College does not discriminate on the basis of pregnancy. However, we can offer accommodations to students who are pregnant that need special consideration to successfully complete the course. If you think you will need accommodations due to pregnancy, please advise me and make appropriate arrangements with the Special Needs Office. Swainsboro Campus: Jan Brantley, Room 1208, (478) 289-2274 -- Vidalia Campus: Helen Thomas, Room 108, (912) 538-3126.

WITHDRAWAL PROCEDURE: Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% portion of the semester (date will be posted on the school calendar) must speak with a Career Counselor in Student Affairs and complete a Student Withdrawal Form. A grade of "W" is assigned when the student completes the withdrawal form from the course.

Students who are dropped from courses due to attendance (see your course syllabus for attendance policy) after drop/add until the 65% point of the semester will receive a "W" for the course. Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of 'F' being assigned.

After the 65% portion of the semester, the student will receive a grade for the course. (Please note: A zero will be given for all missed assignments.)

There is no refund for partial reduction of hours. Withdrawals may affect students' eligibility for financial aid for the current semester and in the future, so a student must also speak with a representative of the Financial Aid Office to determine any financial penalties that may be accessed due to the withdrawal. All grades, including grades of 'W', will count in attempted hour calculations for the purpose of Financial Aid.

Remember - Informing your instructor that you will not return to his/her course does not satisfy the approved withdrawal procedure outlined above.

CAPSTONE COURSE: An integral part of a student's education as they move through a given program of study is the ability to transfer and apply knowledge to the workplace. As a key component of degree, diploma and select technical certificates, capstone courses have been identified which include any of the following: a specific exit exam, project, portfolio, or skills check-off, etc. measuring student knowledge. When students are able to pass the exit assessment, they demonstrate they have retained knowledge throughout their program of study which will carry over to their chosen career. Students who do not pass the exit assessment will not be able to graduate and the capstone course will need to be repeated and passed along with the exit assessment.

In instances in which a student transfers from another college (having taken a course there-which is a capstone course here) into the same program at STC, they will need to complete STC's program exit assessment. This will be a requirement before credit for the course is given. In cases in which a student transfers from another college that has a capstone course for same program, the student will need to take the exit assessment for STC's designated capstone course. Students who do not pass this assessment will not be able to graduate and the capstone course will need to be repeated and passed along with the exit assessment.

MAKEUP GUIDELINES: Students are required to take all tests/exams scheduled during the semester. Failure to take tests/exam(s) will result in a grade of zero for each. There will be no makeup of exams. If Internet or browser failure occurs, contact instructor immediately. A decision will be made at that time if the test/exam will be reset. Instructor reserves the right to deduct points from the scores for exceeding the scheduled time limit on the test/exam. **Note: If student notifies instructor about problems because of technical issues after the due date or on the last day of the semester, the student will NOT be allowed to make-up the assignment. No exceptions!** Assignments must be turned in on or before the assigned due date and may not be accepted late. ALL assignments are due according to the lesson plan. The due dates are posted beside each assignment on the lesson plan.

ACADEMIC DISHONESTY POLICY: The STC Academic Dishonesty Policy states *All forms of academic dishonesty, including but not limited to cheating on tests, plagiarism, collusion, and falsification of information, will call for discipline.* The policy can also be found in the *STC Catalog and Student Handbook.*

Procedure for Academic Misconduct

The procedure for dealing with academic misconduct and dishonesty is as follows:

--First Offense--

Student will be assigned a grade of "0" for the test or assignment. Instructor keeps a record in course/program files and notes as first offense. The instructor will notify the student's program

advisor, academic dean, and the Registrar at the student's home campus. The Registrar will input the incident into Banner for tracking purposes.

--Second Offense--

Student is given a grade of "WF" for the course in which offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Registrar will input the incident into Banner for tracking purposes.

--Third Offense--

Student is given a grade of "WF" for the course in which the offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Vice President for Student Affairs, or designee, will notify the student of suspension from college for a specified period of time. The Registrar will input the incident into Banner for tracking purposes.

Your instructor is more than willing to assist you with any help you might need; it merely requires you to make the extra effort to come by for help during your instructor's office hours.

This is your responsibility. Many times, computer professionals deal with private/personal information; in-class behaviors give some insight into a student's professional ethics in the workplace, or lack thereof. Cheating is never an option; dishonesty cannot and will not be tolerated. If you are involved in an academic dishonesty incident, expect a private conference with your instructor and the Dean of Business Technologies and Human Services.

STATEMENT OF NON-DISCRIMINATION

Southeastern Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, disabled veteran, veteran of Vietnam Era or citizenship status, (except in those special circumstances permitted or mandated by law). This school is in compliance with Title VI of the Civil Rights Act of 1964, which prohibits discrimination on the basis of race, color, or national origin; with the provisions of Title IX of the Educational Amendments of 1972, which prohibits discrimination on the basis of gender; with the provisions of Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination on the basis of handicap; and with the American with Disabilities Act (ADA).

GRIEVANCE PROCEDURES: Grievance procedures can be found in the Catalog and Handbook located on STC's website.

ACCESS TO TECHNOLOGY: Students can now access Angel, Remote Lab Access, Student Email, Library Databases (Galileo), and BannerWeb via the mySTC portal or by clicking the Current Students link on the STC website at www.southeasterntech.edu.

GRADING POLICY		GRADING SCALE		
Chapter Work	20%	A	Excellent	90-100
End of Chapter Exercises	25%	B	Good	80-89
Chapter Quizzes	25%	C	Satisfactory	70-79
Final Exam/Project	25%	D*	Poor	60-69
Work Ethics Assessment	5%	F*	Failing	0-59
	100%	*Grade of D or below results in student repeating class		

TCSG GUARANTEE/WARRANTY STATEMENT:

The Technical College System of Georgia guarantees employers that graduates of State Technical Colleges shall possess skills and knowledge as prescribed by State Curriculum Standards. Should any graduate employee within two years of graduation be deemed lacking in said skills, that student shall be retrained in any State Technical College at no charge for instructional costs to either the student or the employer.

Work Ethics Assessment - Grading Rubric

	Achievement Level 1 (1 pt. ea.)	Achievement Level 2 (2 pts. ea.)	Achievement Level 3 (3 pts. ea.)	Achievement Level 4 (4 pts. ea.)	Achievement Level 5 (5 pts. ea.)
Sentence Length and Knowledge	Student's answer is less than 20 words in length and demonstrates poor knowledge of the work ethic topic addressed in the scenario.	Student's answer is 20-29 words in length and demonstrates limited knowledge of the work ethic topic addressed in each scenario.	Student's answer is 30-39 words in length and demonstrates satisfactory knowledge of the work ethic topic addressed in each scenario.	Student's answer is 40-49 words in length and demonstrates proficient knowledge of the work ethic topic addressed in each scenario.	Student's answer is 50-75 words in length and demonstrates exceptional knowledge of the work ethic topic addressed in each scenario.
Spelling/Grammar and Sentence Structure	Student has 5 or more errors in spelling, punctuation, and grammar	Student has no more than 4 errors in spelling, punctuation, and grammar.	Student has no more than 3 errors in spelling, punctuation, and grammar.	Student has no more than 2 errors in spelling, punctuation, and grammar.	Student has no more than 1 error in spelling, punctuation, and grammar.

- **If a work ethic topic(s) is not answered, the student will receive 0 points.**
- **A score of at least 70 out of 100 points must be achieved in order to pass the Work Ethics Exam.**

Syllabus Addendum-

Please note the following classroom courtesies, which are designed to maximize the classroom experience for you and your classmates.

- Class begins promptly at the start time shown on your schedule.
 - Please make arrangements to be here on time.
 - Attendance is taken daily at the beginning of class.
 - The classroom door is locked as a safety precaution; therefore arriving late will be disruptive and inconsiderate to your instructor and your fellow classmates. Expect to wait if you arrive late and a lecture is in progress.
 - Failure to be present and accounted for at the beginning of class may result in missing an unannounced quiz, for which there are **NO MAKEUPS**.
- In an attempt to simulate a work environment, please notify your instructor if you are absent by emailing or leaving a voice message. To avoid telephone tag, please do not leave a message for your instructor to call you back. Leave a message with the information regarding your absence. You would call in to your workplace if you were going to be absent from your job; class is preparation for the workplace. See instructor contact information on the syllabus.
- **The classroom is a learning environment; enter the classroom quietly EVERY DAY. Conversations should take place in the student center or outside. You will be asked to leave if you disrupt the class; this includes sleeping.**
- **EVERY DAY**--Please turn your cell phone on silent when in the classroom. In emergencies, please go outside the building to make or receive a call. If your phone interrupts class by ringing or vibrating, you will be asked to leave class.
- Also, no texting is allowed during class; you will be asked to leave class. Texting during an exam, in particular, may result in an academic dishonesty policy violation being noted in your records.
- **No food or drinks are allowed in the classroom.** Bottled drinks may be kept in your book bag or on the floor. They should never be open or consumed in the classroom. Do **not** bring an open can or cup into the classroom. If you have a medical condition that requires a snack or drink, you should see Jan Brantley, Room 1208 Swainsboro Campus, 478-289-2274, or Helen Thomas, Room 108 Vidalia Campus, 912-538-3126, to coordinate reasonable accommodations.
- Please dress appropriately for class. You may be asked to leave if dressed inappropriately, and you will be counted absent. **Regardless of current fashion trends or the time you awoke for class, no hats, caps, scarves, etc. covering the head are allowed in the classroom. This refers to both ladies and gentlemen.**

CIST 2550 – Web Development II
FALL Semester 2015 Lesson Schedule (Fiscal Year 2016)

PHP code runs on a web server, so you will be provided a live web domain (server) for this class. MySQL also runs on a server so you will be provided with that information as well. You will be assigned a MySQL database (one already created/you will not be able to create one so just read through section in book on creating a new database). You need ftp software for uploading your work (html, php and css files) to the web server. I recommend Filezilla, which can be downloaded and installed for free. You will also need some software to connect to your MySQL database for creating and editing MySQL database tables. I recommend HeidiSQL. I will be sending each student an email with information about your web domain and MySQL database. If you have questions, please contact instructor.

Date	Chap / Less	Content	Assignments & Tests Due	Competency Area
Week 1				
Mon Aug 17		Class Introduction – Syllabi, Outline, Work Ethics, Rules, and Regulations Coverage	Logon to STUDENT MAIL: Send email to Instructor Reply to any Instructor email. Login to ANGEL Complete Personal Introduction on Angel Download and Install Filezilla. Download and Install HeidiSQL. Create a folder “ cist2550 ” on P: drive	
Wed Aug 19	1	Introduction to PHP	Read and work thru Chapter 1 . Get Personal Web Site/Domain information from Instructor. Save your work to the cist2550 folder and upload to web server. due: 8/26 midnight	a,c
Week 2				
Mon Aug 24			Complete Chapter 1 - Quiz on ANGEL. due: 8/26 midnight Complete Chapter 1 - Exercises on ANGEL. due: 8/26 midnight	
Wed Aug 26	2	Programming with PHP	Read and work thru Chapter 2 . Save your work to the cist2550 folder and upload to web server. due: 9/9 midnight	3 a,c
Week 3				
Mon Aug 31			Complete Chapter 2 - Quiz on ANGEL. due: 9/9 midnight Complete Chapter 2 - Exercises on ANGEL. due: 9/9 midnight	
Wed Sep 2	3	Creating Dynamic Web Sites	Read and work thru Chapter 3 . Save your work to the cist2550 folder and upload to web server. due: 9/16 midnight	3 a,c

Week 4				
Mon Sep 7	H	HOLIDAY (Labor Day)		
Wed Sep 9			Complete Chapter 3 - Quiz on ANGEL. due: 9/16 midnight Complete Chapter 3 - Exercises on ANGEL. due: 9/16 midnight	3,5 a,c
Week 5				
Mon Sep 14	4	Introduction to MySQL	Read and work thru Chapter 4 . Get MySQL database information from Instructor. Setup HeidiSQL and connect to your MySQL database. due: 9/23 midnight	1 a,c
Wed Sep 16			Complete Chapter 4 - Quiz on ANGEL. due: 9/23 midnight	1 a,c
Week 6				
Mon Sep 21	5	Introduction to SQL	Read and work thru Chapter 5 . You will not create a database one will be assigned to you. You will connect to it and create/manage tables within it using HeidiSQL. Save your work to your assigned database. due: 9/30 midnight	1,2,4 a,c
Wed Sep 23			Complete Chapter 5 - Quiz on ANGEL. due: 9/30 midnight Complete Chapter 5 - Exercises on ANGEL. due: 9/30 midnight	1,2,4 a,c
Week 7				
Mon Sep 28	6	Database Design	Read and work thru Chapter 6 . Save your work to your assigned database. due: 10/7 midnight	1,2,4 a,c
Wed Sep 30			Complete Chapter 6 - Quiz on ANGEL. due: 10/7 midnight	1,2,4 a,c
Week 8				
Mon Oct 5	7	Advanced SQL and MySQL	Read and work thru Chapter 7 . Save your work to your assigned database. due: 10/14 midnight	1,2,4,5 a,c
Wed Oct 7			Complete Chapter 7 - Quiz on ANGEL. due: 10/14 midnight Complete Chapter 7 - Exercises on ANGEL. due: 10/14 midnight	1,2,4,5 a,c

Week 9				
Mon Oct 12	8	Error Handling and Debugging	Read and work thru Chapter 8 . Save your work to the cist2550 folder and upload to web server. Any database work should be saved to your assigned database. due: 10/21 midnight	1,2,3,4,5 a,c
Wed Oct 14			Complete Chapter 8 - Quiz on ANGEL. due: 10/21 midnight Complete Chapter 8 - Exercises on ANGEL. due: 10/21 midnight	1,2,3,4,5 a,c
Week 10				
Mon Oct 19	9	Using PHP with MySQL	Read and work thru Chapter 9 . Save your work to the cist2550 folder and upload to web server. Any database work should be saved to your assigned database. due: 10/28 midnight	1,2,3,4,5 a,c
Wed Oct 21			Complete Chapter 9 - Quiz on ANGEL. due: 10/28 midnight Complete Chapter 9 - Exercises on ANGEL. due: 10/28 midnight	1,2,3,4,5 a,c
Week 11				
Mon Oct 26	10	Common Programming Techniques	Read and work thru Chapter 10 . Save your work to the cist2550 folder and upload to web server. Any database work should be saved to your assigned database. due: 11/4 midnight	2,3,4,5 a,c
Wed Oct 28			Complete Chapter 10 - Quiz on ANGEL. due: 11/4 midnight Complete Chapter 10 - Exercises on ANGEL. due: 11/4 midnight	2,3,4,5 a,c
Thu Oct 29		Fall Activity Day		
Week 12				
Mon Nov 2	11	Web Application Development	Read and work thru Chapter 11 . Save your work to the cist2550 folder and upload to web server. Any database work should be saved to your assigned database. due: 11/11 midnight	2,3,4 a,c
Wed Nov 4			Complete Chapter 11 - Quiz on ANGEL. due: 11/11 midnight Complete Work Ethics Assessment on ANGEL. due: 11/11 midnight	2,3,4 a,c

Week 13				
Mon Nov 9	12	Cookies and Sessions	Read and work thru <u>Chapter 12</u> . Save your work to the cist2550 folder and upload to web server. Any database work should be saved to your assigned database. due: 11/18 midnight	2,3,4,5 a,c
Wed Nov 11			Complete <u>Chapter 12 - Quiz</u> on ANGEL. due: 11/18 midnight	2,3,4,5 a,c
Week 14				
Mon Nov 16	13	Security Methods	Read and work thru <u>Chapter 13</u> . Save your work to the cist2550 folder and upload to web server. Any database work should be saved to your assigned database. due: 11/24 midnight	5 a,c
Wed Nov 18			Complete <u>Chapter 13 - Quiz</u> on ANGEL. due: 11/24 midnight	5 a,c
Week 15				
Mon Nov 23	18	Example – User Registration (Final Project)	Read and work thru <u>Chapter 18</u> . Save your work to the cist2550 folder and upload to web server. Any database work should be saved to your assigned database. due: 12/2 midnight	1,2,3,4,5 a,c
Wed Nov 25	H	HOLIDAY (Thanksgiving) Nov 25-29		
Week 16				
Mon Nov 30	18	Example – User Registration (Final Project)	Read and work thru <u>Chapter 18</u> . Save your work to the cist2550 folder and upload to web server. Any database work should be saved to your assigned database. due: 12/2 midnight	1,2,3,4,5 a,c
Wed Dec 2			Complete <u>Final Exam/Project</u> . due: 12/2 midnight	1,2,3,4,5 a,c
Thu Dec 3		Last Day of Semester		

COMPETENCY AREAS:

1. Construct a Database
2. Implement a relational Database via ODBC
3. Develop Forms and Applications to Interact with File Systems, Email, and Database servers
4. Modify Data in a Database
5. Design Controls and Validation

GENERAL EDUCATION CORE COMPETENCIES:

- a) The ability to utilize standard written English.
- b) The ability to solve practical mathematical problems.
- c) The ability to read, analyze, and interpret information