GREENVILLE TECHNICAL COLLEGE

School of Business and Computer Technology
Computer Technology
Course Syllabus
PHP Programming CPT 283
Fall 2019

Credit/Contact Hours:
3.0

Prerequisite:
CPT 230, IST 226 and IST 272

Co-requisite:
None

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Course Description:
This course is an introduction to the PHP programming language and will cover topics related to the syntax of PHP language and how PHP can be used to design and develop dynamic, database-driven web pages.

Purpose of Course:
This course introduces the student to the development of dynamic web applications using PHP for the programming language and MySQL for relational databases on the server-side to produce HTML coded web pages. Students will learn how to collect data from a webpage, process the data, and then produce meaningful output.

CPT 283 – Main Topics

- **Introduction to web development with PHP**
- **How to code a PHP application**
- **Introduction to relational databases and MySQL**
- **How to use PHP with a MySQL database**
- **How to use the MVC pattern to organize your code**
- **How to test and debug a PHP application**
- **How to work with form data**
- **How to code control statements**
- **How to work with strings and numbers**
- **How to work with dates**
- **How to create and use arrays**
- **How to work with cookies and sessions**
- **How to create and use functions**
- **How to create and use objects**
- **How to use regular expressions, handle exceptions, and validate data**
- **How to create secure websites**

The instructor reserves the right to modify the Plan of Instruction by changing the sequence of text material or testing content. Refer to attachment one for more details about this class.

Required Texts:
1. **Murach's PHP and MySQL, Third Edition**; Joel Murach and Ray Harris; Mike Murach & Associates, Inc.; ISBN: 978-1-943872-38-1 (Paperback)

2. Access to an Internet-capable computer system.

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.

Additional Materials, Supplies, Equipment, and Technology (i.e. Webcams):
Students in CPT 283 will be assigned a CentOS virtual server to complete all of their CPT 283 assignments and projects on. Students must be able to access the Internet

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with their personal computers in order to do access their assigned virtual server. Students will also have access to their assigned virtual server on the course classroom computers and the division's Open
Lab in rooms 103-113 and 103-115.

Instructional Agreement:

This syllabus is an agreement between the student and instructor concerning course objectives, course content, grading, and other policies and procedures particular to the course as well as any posted program, departmental, and divisional policies. It is also the student's responsibility to become familiar with the Student Handbook/College Catalog found in the Student Resources area of Blackboard.

Grading Scale:
GRADING POLICY

Journal Entry and Lab Assignments	30 percent
Chapter Tests	30 percent
Final Project	40 percent

NOTE: ALL JOURNAL ENTRIES, LAB ASSIGNMENTS, CHAPTER TESTS AND FINAL PROJECTS WILL BE RETAINED BY THE INSTRUCTOR.

1. Students will be assigned a Journal Entry for each chapter covered in this course; Journal Entries are a series of open-ended questions about the content of each chapter.
2. Lab Programming Assignments will be assigned from selected chapters.
3. There will be three or four Chapter Tests covering textbook content in this course.
4. Each student will complete a Final PHP Programming Project as directed by the instructor; each student's Final PHP Programming Project must be original work completed by the student, no other student's work or downloaded code from the Internet will be accepted.
5. The following factors will be considered in grading lab assignments and the final project:
   a. The programs must work correctly and produce the desired results.
   b. The programs must be written in the style described in the text or described in class.
   c. The programs must be written using the syntax discussed in class and textbook.
   d. Program documentation should be clear, meaningful, and professional.

All Journal Entry and Lab Programming Assignments, Chapter Tests, and Final PHP Programming Project for this course must be completed and submitted to the instructor by the published due date 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

Pass/Non-Pass Course Grade Option:
This course may be eligible for the Pass/Non-Pass Course Grade Option. A student must request this option prior to the withdrawal date of this course. If approved for this option, a grade of P will be assigned if the student earns a grade of C or higher. A grade of NP will be assigned for earning a D or F. Students are encouraged to talk with their instructor and meet with an advisor prior to requesting this option. Additional information may be found in the college catalog.

Instructional Continuity:
In the event of a disruption to the normal class schedule or planned activities for this course, alternate learning activities that may include other methods of instruction or locations may be implemented. If disruption occurs, your instructor will communicate through your GTC email (Gmail) account. Additionally, please make sure your contact information is accurate in GTC's emergency alert system (accessible in GTC4Me/Quick Access/GTC2me – Emergency Messaging).

Verification of Student in Online Classes:
Greenville Technical College is committed to student learning and the academic integrity of all courses. All GTC online courses are required to have at least one proctored learning activity that constitutes a significant percentage of the course grade, which may include a test, midterm, final exam, presentation or other assignment. Proctored is defined as an experience where an approved person ensures the identity of the student and monitors the learning activity. The proctored learning activity will be determined by the course instructor. The method of proctoring and any additional requirements, such as costs for students and/or trips to campus or approved testing center, will be explained in the course schedule/plan of instruction.

Course Outcomes:
Students who successfully complete this course will have demonstrated the skills necessary to accomplish the following objectives with a minimum competency of 70 percent.

1. Students will be able to demonstrate knowledge on how to write, execute, and debug PHP programs imbedded in web pages.

2. Students will be able demonstrate how to use PHP commands and syntax to declare and use variables, use PHP functions or create custom functions, write looping statements, decision statements, and create and main arrays.

3. Students will be able to demonstrate how create user friendly web page interfaces that use imbedded PHP programs to access and manage a MySQL database or document object model.

4. Students will be able to demonstrate the ability to work under pressure and show responsibility by completing lab assignments.

The outcomes of the CPT 283 course are intended to meet the Computer Technology program level student learning outcomes.

Revised January 16, 2015

Assessment of Student Learning:
Greenville Technical College is committed to continuous improvement of teaching and learning. Tests, assignments, and/or projects required in this course may be shared with college faculty and used for assessment purposes. Also, student input is necessary for improving instruction and is requested through course evaluations. Students will be notified when evaluations are available.

Administrative Withdrawals:
Students may be administratively withdrawn from this course for the following reasons:

- Not attending a course during the drop/add period including failure to meet the attendance criteria in an online course. In this case, a grade of WA will be assigned. This WA will not count as an attempt and will not affect GPA.
- For recorded absences exceeding 15% of the course contact hours prior to the withdrawal date. A grade of W will be assigned. For students who receive financial aid, this W will count as a course attempt but will not affect GPA.
- For non-attendance for 14 consecutive calendar days during any time in a semester (including non-class days, holidays, and weekends). A grade of FA (Failure due to Absences) will be assigned. For students who receive financial aid, this FA will count as a course attempt and will affect GPA. The college will use a grade point of zero for each credit hour to calculate the student's GPA.

Course Policies:
CPT 283 students must complete and submit a Final PHP Programming Project in order to complete the course and receive a final overall grade.

Students with Disabilities:
Students with disabilities, including those who were served in Special Education (resource or tutorial), should contact Student Disability Services (SDS) to discuss their

need for services and accommodations. ***This must be done each term***. The main SDS office is located on the Barton Campus in the Student Center Building 105, office 113.

Students may reach staff by phone at (864) 250-8202 or via email to DisabilityServices@gvltec.edu. Appointments are available at all satellite campus locations. Please check the GTC website for more information concerning Student Disability Services. Visit http://gvltec.edu/disability-services for more information.

The college is committed to providing materials that are accessible to all students. However, if you experience any difficulty accessing materials, please notify your instructor immediately so that we can provide a solution. You may also contact Student Disability Services directly at (864) 250-8202 or by email at DisabilityServices@gvltec.edu.

Students who need a PDF reader to access course documents presented in PDF formats may download Adobe Reader from https://get.adobe.com/reader.

Blackboard Ally

Blackboard Ally is a tool to improve students' experiences within online courses. It enables students to convert files in a course to more accessible formats such as HTML, electronic braille, audio and more. For more information, refer to Blackboard Ally for Students located in Student Resources in the course menu.

Technology Statement:
Greenville Technical College is not responsible for personal technology or internet access. Problems with computers, devices, or internet access are not acceptable for late work. When completing gradable coursework online, be sure to access a secure, reliable internet connection (preferably hardwired).

All technical questions should be directed to technical support. For details, visit https://www.gvltec.edu/about_greenvilletech/tech_support.

Students can access due dates for all assignments and quizzes/tests on the Course Schedule/Plan of Instruction. All graded work is time-stamped when submitted, so your instructor can check the time of submission. In addition, you will receive a confirmation email message when you submit assignments via Blackboard. You must provide this confirmation information in case of any dispute regarding the submission.

Computer labs are available at multiple campus locations and offer various hours as well as staff who are available for assistance. For more information, please visit https://www.gvltec.edu/student_resources/computer_labs.

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Student should use Microsoft Office programs or PDF format for submitting assignments in Blackboard. Students can access http://portal.office.com, log in with their <username>@my.gvltec.edu email address and Blackboard/GTC4me password, then follow the prompts to install Microsoft Office free of charge.

Starfish:
We care about your success! Greenville Technical College is proud to offer Starfish, a software tool designed to promote student success through coordination and communication between students, instructors, and support staff. The link to Starfish is located in Blackboard.

Inside Starfish, you will find your Student Success Team with your instructor, advisor, academic coach, and others you may be directly connected with at the college. Setting up your Starfish profile and completing the Starfish Intake form will provide your Success Team with valuable information to guide your success.

Throughout the semester, you may receive emails regarding your attendance, academic performance, or course grades. Additionally, faculty and staff may send kudos celebrating successes. It is important that you check your Greenville Technical College Gmail regularly for Starfish alerts and kudos.

FERPA Policy:
Because Greenville Technical College abides by FERPA privacy guidelines, personal email accounts may not be used for any College-related communication. Faculty and students must use the college Gmail system only.

Start, Stay, Succeed!