Web Development with PHP (CSC 257, CRN 1487)

Instructor	Mirco Speretta	**Phone**	(203) 285 2629
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Office Hours	Monday 10:00AM – 12:00PM – Online through Microsoft Team or WebEx		

Days and Time:

This is an online course. We will use Blackboard as the main tool where both class material and assignments will be handled.

The course is organized into learning units, outlined at the end of this document. Changes to this list might be applied, depending on the progress of the course.

Text and Supplies:

- Book for reference: https://goalkicker.com/PHPBook/

- Website: https://phptherightway.com/ , https://www.php.net/docs.php . Other Web sites, specific to each unit, will be posted on BlackBoard

- Open or free software: XAMPP, Visual Studio Code, other libraries and services. Documentation and links will be posted on BlackBoard

Description:

- Introduces the fundamentals of programming with PHP; a widely used scripting language that is especially suited for creating dynamic websites and can be embedded into HTML.

Goals:

- Demonstrate understanding of usage of variable assignments, primitive data, conditional statements, loops, and functions in PHP.
- Clear understanding of server-side Web applications implemented in PHP.
- Demonstrated understanding of using a session mechanism to store information.

Grading:

The final grade will be based on the components listed below. Registration for this course means that the student agrees to fulfill the requirements for this course. Students should make every effort to complete all assignments along with the semester project.

The student is responsible to check Blackboard frequently and to turn in the assignments by the scheduled deadlines.

Component	Weight
Homework assignments	30%
Board discussions	20%
Semester project	40%
Presentation of the semester project	10%

Student Grades shall be consistent with Gateway Community College's Grading Policy. Students who are having difficulties with their course work and need assistance are strongly encouraged you to use the lab assistant that are provided.

Grading System

Gateway Community College's values for grades awarded which are used for the calculation of grades, averages and related matters are as follows:

Letter Grade	Point Ranges	Grade Point Value
A	93 - 100	4.00
A-	90 - 92	3.667
B+	87-89	3.333
B	83-86	3.000
B-	80-82	2.667
C+	77-79	2.333
C	73-76	2.000
C-	70-72	1.667
D+	67-69	1.333
D	65-66	1.000
D-	60 – 64	.0667
F	0 - 59	0.000

Course Policies:

Late Assignments & Projects

All assignments (i.e. including the board discussion and the semester project) must be turned in <u>on time</u> to receive full credit.

Student Conduct

Any acts of classroom disruption that go beyond the normal rights of students to question and discuss with instructors the educational process relative to subject content will not be tolerated, in accordance with Gateway Community College's Academic Code of Conduct as described in the Gateway Community College's Student Handbook.

Examination Policy

To prepare for examinations attend lectures and study all the material either provided or referenced in class. Most of the questions and exercises included in the assignments will be taken directly from the reading material assigned. Review all the material in preparation for the tests.

Incomplete Policy

Students will not be given an incomplete grade in the course without sound reason and documented evidence as described in the Gateway Community College's Student Handbook. In any case, for a student to receive an incomplete, he or she must be passing and must have completed a significant portion of the course.

Students with Disabilities

If you are a student with a documented disability and you believe you will need accommodations or academic adjustments for this class, it is your responsibility to contact Student Accessibility Services (SAS) at 203-285-2231; rchomicz@gatewayct.edu and/or smurphy1@gatewayct.edu. To avoid any delay in receipt of accommodations or academic adjustments, you should contact SAS as soon as possible. In response to your request, SAS may ask you to provide supporting medical documentation, diagnostic test results or professional prescriptions to evaluate your request for the accommodations or academic adjustments. SAS may also obtain its own professional determination of whether specific requested accommodations or academic adjustments are necessary. Please note that accommodations or academic adjustments cannot be provided until approved and an accommodation letter from SAS has been received by faculty and student. If you experience a temporary impairment or medical condition and it interferes with your schoolwork, call SAS at 203-285-2231; rchomicz@gatewayct.edu and/or smurphy1@gatewayct.edu.

Topics

Unit 1	Server-side technologies and Computer Setup
Unit 2	Testing PHP scripts on your computer and using HTML
Unit 3	Variables, Variable Scope and Constants
Unit 4	Data Types and Operators
Unit 5	Control Structures
Unit 6	Arrays

Unit 7	Loops
Unit 8	Classes and Objects
Unit 9	Cookies
Unit 10	Sessions
Unit 11	JSON
Unit 12	Working with a Database 1
Unit 13	Working with a Database 2
Unit 14	CMS and Drupal