**Passaic County Community College**

**Academic Year: 2023-2024**

**Standard Syllabus**

**Department Chair: Merille Siegel**

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**Course Code:**CIS 275**Course Title:** Web Server Development

**Department:** CIS/Engineering **Semesters Offered:** Spring Evening

**Course Description:** This course introduces students to server-side, web-application development. The emphasis is on developing platform solutions utilizing HTML5, a scripting programming language (e.g., PHP) and SQL. Students are required to complete multiple scripting modules that perform specific processes. These process modules will be either used intact or modified to implement a functional web application. The server-side web application will include forms for data entry, which will update and retrieve data from MySQL or another DBMS.

**Prerequisites:** CIS 170 and CIS 108

**Credits:** 3**Lecture Hours:** 3**Lab/Studio Hours:** 0 **Clinical/Fieldwork Hours:** 0

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**Required Textbook/Materials**:Book – CIS 275: Web Application Development I

1. Sign in or create an account at learn.zybooks.com

2. Enter appropriate zybook code (provided by your professor).

3. Subscribe (This can be done through the website, or can be purchased from the book store)

**Note:** *A subscription is $58. Subscriptions will last until 2 weeks after the semester ends.*

**Additional Time and Supplemental Requirements:**

Based on a 15 week semester, students are expected to complete approximately 6 hours per week of assigned work outside of class.

**Course Learning Outcomes**:

Upon completion of this course, students will be able to:

1. Explain the features, capabilities, and use of a server-side application.
2. Implement a server side web application.
3. Use a server-side scripting language to access a database.
4. Implement a website application that will dynamically extract and update information from a database.

**General Education Outcomes:** This is not a general education course.

**Grading Standards:**

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| --- | --- |
| **Component** | **Percentage** |
| HTML/JavaScript Review Quiz | 5% |
| PHP Assignments | 40% |
| PHP Exam | 10% |
| Website Project | 30% |
| Project Presentation | 10% |
| Attendance & Participation | 5% |

**Course Content**:

(Schedule and suggested topics, readings, and assignments subject to change based on instructor and instructional resource)

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| --- |
| **Topics** |
| HTML / JavaScript Review |
| Getting Started with PHP (Basics & Variables) |
| Getting Started with PHP (Basics & Variables) |
| Functions |
| Control Structures |
| Manipulating Strings |
| Handling User Input |
| Handling User Input |
| Manipulating Arrays |
| Working With Databases and MySQL |
| Manipulating MySQL Databases with PHP |
| Managing State Information (Cookies and Sessions) |
| Working with Files and Directories |
| Website Projects Beta Demonstrations  Students Continue Development of the Website Project |
| \*\*\*\*\*\*\* FINAL EXAM WEEK \*\*\*\*\*\*\*\*  Website Presentations |

**College Policies:**

For Information regarding:

* PCCC’s Academic Integrity Code
* Student Conduct Code
* Student Grade Appeal Process

Please refer to the PCCC Student Handbook and PCCC Catalog

**Panther Alert:**

The College will announce delayed openings, closings, and other emergency situations through the Panther Alert System. Students are encouraged to sign up for Panther Alert Notifications by logging into their student accounts through the PCCC website at [www.pccc.edu](http://www.pccc.edu) and following Panther Alert System instructions.

**Notification for Students with Learnings Disabilities:**

If you have a disability, and believe you need accommodations in this class, please contact the Office of Accessibility Services at 973-684-6395, or email [ods@pccc.edu](mailto:ods@pccc.edu). You should do so as soon as possible at the start of each semester. If you require testing accommodations, you must remind me (the instructor) one week in advance of each test.