CPS276 Syllabus

Instructor: **Doug Andrews**

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Meeting Times

We will be meeting virtually via Zoom on Saturdays from 9:00 to 10:55pm. Students are required to attend just like a face to face class.

Course Structure

This is a 4-credit mixed mode course. Whereas 2 of the credit hours are online while the other 2 are in the classroom. This course is designed using the “flip the classroom” module.

In order to be successful, it is important that you do the required online work. You are expected to read the assignments before the start of the next class, so you have a general understanding what will be discussed. As you are doing your reading, I would recommend you write down questions for the next class. During class time I will hit the highlights and answer question then we will start that week’s assignment.

The goal of this structure is to make the class time shorter, more focused and less lecture.

In addition to the reading and class time you may still have homework time which will be used to get assignment done. Please expect to spend 12 to 15 hours for homework

assignments. If you do not have the time to dedicate to the homework assignments they take this class when your schedule is better.

Course Objectives

When you finish with this course you will be able to:

- Develop basic HTML elements (input, text boxes and forms
- Identify appropriate use of PHP programming basics
- Develop database SQL code in MySQL (select, input, update and delete).
- Identify relational database design and MySQL database server fundamentals
- Identify appropriate techniques for accessing MySQL from the PHP programming language.
- Demonstrate sound software engineering techniques in developing a working web database driven application which is robust and maintainable.

Communication

Email Communication

- Please send emails from your WCC account to be in compliance with federal privacy regulations.
- Provide a clear subject line including the course and number CPS276.
- Always include your first and last name in the email message.
- Make sure you question in direct. If you need me to look at your code make sure your code is on your GitHub account and provide me a link to where it is located.

Expectations and Availability of Instructor

I will usually respond to email messages within 24 hours. You should make a habit of checking your WCC email on a regular basis. Also, when sending an email make sure you are allowing enough time for me to answer. Sending emails about a homework assignment the day or before it is due is not a good idea.

Asking Questions

When asking questions via Email please make sure you include in the subject line the class you are in. Also make sure your question is direct and, if it requires me to look at your code make sure your code is on your GitHub account, provide me a link to your code, and provide a comment in your code where your question is related to.

Academic Advising

Full time faculty in the CPS department can advise regarding CPS-specific classes. You can also refer to our technical Counselor: Sandro Tuccinardi, (734) 973-3398.

Academic Dishonesty

All forms of academic dishonesty including but not limited to collusion, fabrication, cheating, and plagiarism will result in immediate failure of this course.

Collusion is defined as the unauthorized collaboration with any other person in preparing work offered for individual credit.

Fabrication is defined as intentionally falsifying or inventing any information or citation on any academic exercise.

Cheating is defined as intentionally using or attempting to use unauthorized materials, information, or study aids in any academic exercise.

Plagiarism is defined as the appropriation of any other person’s work and the unacknowledged incorporation of that work in one’s own work offered for credit.

Attempting to take quizzes and tests outside of class (unless permission has been given) is considered cheating.

Changing homework assignments after they are due is considered cheating.

In order to make this course successful homework solutions are given out after homework assignments are due. Homework solutions are not to be shared with anyone inside or outside of this class. If it is discovered that a homework solution has been shared all parties involved will immediately fail the entire course.

If a student is taking this class over and attempts to use a previous semester's work as their own current work is considered cheating.

Grading

- Grades are posted in Blackboard under My Grades.
- Grading is typically completed within a week of the assignment due date.
- If you have a question about a grade you have 7 days to address it with me.

Determining Your Grade

Below is a breakdown of all points you can gain in this class.

Assignment/Summaries	Points Per Assignment/Summary	Total
Digital Ocean, Github, turn PHP Errors on	10 x 3	30
Reading Quizzes	10 x 11	110
Assignments	100 x 9	900
Final Assignment	200 x 1	200
Final Exam	200 x 1	200
Total Points		1440

Homework Due Dates

Please see schedule for due dates.

Late Assignments

Late assignments are **not accepted no exceptions**.

Grading of Assignments

Full Credit: In order to get full credit, a student's assignment must work exactly as described in the instructions.

Partial Credit: It is expected that students fully complete their assignments. I understand that some, at times, may not 100% complete their assignment. If a student

does not complete their assignment they are to write (in the Blackboard Submission area) all the areas of their assignment they did not complete and what files they had issues with (with appropriate comments in those files). If a student submits an assignment that is not complete, they are expected to provide the above-mentioned documentation or expect to receive a zero for the assignment.

In the past some students have submitted very poorly done and mangled assignments with the expectation that the instructor is to go through their code line by line and provide credit for what works or may seem to work. I want students to take ownership of their assignments and really think through what they are doing.

Though I will look at your code overall, I will not hunt through every line looking for what works and what doesn't.

All students must put their assignments on GitHub where I can access the code and they must give me the exact web address where it is to be found. Do not provide me with a link to the whole repository, I don't want to be hunting for your assignment. If a student fails to provide either the GitHub address or web address for their assignment, they may receive a zero for that assignment.

After the due date assignments on the server and the GitHub page are not to be changed.

Grading Feedback

If an assignment is graded at 100%, I normally do not provide feedback. If I see some major or minor issues, I will provide small feedback on that. Some of these assignments are complex and Blackboard is not the correct place to address multiple problems. If you have questions about your assignment (post grading) it is best to talk to me face to face, or virtually if need be.

Posting Homework Solutions

I plan posting homework solutions on Blackboard after they are graded. The solutions are provided to help students see where they went wrong and get a better understanding of what to do for future assignments as some of the programming principles build upon previous assignments.

If any assignment solution is turned in by a student passing it off as their own work, the offending student will fail the entire course. Their actions will also be forwarded to the dean.

I reserved the right to terminate going over or posting assignments at any time if it shows to be a problem.

Collaborate Learning

I will allow students to collaborate on homework assignments in and outside of class. There is a clear difference between collaboration (helping each other) and copying (just copy what someone else did). If I see signs that collaboration is turning into copying then I will terminate collaborative learning. Also, the offending student(s) may face zeros on the assignments they copied.

CPS276 Example Files:

All code examples can be found in my GitHub page:
https://github.com/sshaper/cps276_examples

Working versions of the code examples found in GitHub are located at the following URL:
http://198.199.80.235/cps276/cps276_examples/

Additional Information

In addition, please review the material within the *Washtenaw Community College Student Policies and Support Information* for additional policies and procedures that affect you and your course. Find this information under the Syllabus and Schedule/Calendar area of this course site.

Additional Downloads:

Please download and install a text editor and SFTP program of your choice. I recommend one that automatically puts files on the server upon save. I have provided videos on how to set up VSCode. You do not have to use VSCode but I highly recommend you use an editor that will automatically upload you files to a server.

Students should also have a USB flash drive for backing up their files.