

Programming II (WIS-308-34)

Course Syllabus

INSTRUCTOR: James Lynn
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LOCATION: Muhlenberg College, Online

MEETING TIMES: Tuesday, January 6 – February 2, 2021 / 6:00pm - 10:00 pm

TEXT: JavaScript: The Web Warrior Series 6th Edition
Vodnik & Gosselin, Cengage Learning, ISBN: - 978-1305078444

COURSE OBJECTIVE:

This course is a continuation of Programming I with an emphasis on web programming concepts, including web architecture, handling session data, and accessing persistent data from a web application. Students will be exposed to approaches to various web design concepts, implementation options, and debugging techniques.

Program development will incorporate various stages of the program development life cycle including designing a solution, implementing a solution in JavaScript and PHP, and testing the completed application. Students will implement several small programming exercises culminating in a team project.

GRADING:

#	Type	Description	Pct
1	Team Project	Details will be discussed in week #1 for presentation to the class in week #5.	50%
3	Individual Projects	The student will complete hands-on exercises from the textbook.	30%
8	Individual Weekly Textbook Quiz	The student will be evaluated on their understanding of the assigned chapters of the textbook.	10%
1	Class Participation	Points are awarded to the extent that the student attends class on time and is prepared and engaged.	10%

Grading Scale: A 93-100%, A- 90-92%, B+ 87-89%, B 83-86%, B- 80-82%, C+ 77-79%,
C 73-76%, C- 70-72%, D+ 67-69%, D 60-66%, F Below 60%

SCHEDULE:

Date	Assignments Due	Class Agenda
1/5/21	<ul style="list-style-type: none">Read chapter 9Quiz 9	<ul style="list-style-type: none">Discuss chapter 9Discuss software development concepts.Validate XAMP environmentsIn-class work on individual projectsReview team project assignment
1/12/21	<ul style="list-style-type: none">Read chapter 10Quiz 10Hands-on Exercise 9-5	<ul style="list-style-type: none">Review chapter 10Intro to PHP with SQLIn-class work on individual projectsReview of final presentation
1/19/21	<ul style="list-style-type: none">Read chapter 11Quizzes 11Hands-on Exercise 10-1	<ul style="list-style-type: none">Review chapter 11In-class work on individual projectsReview of final presentation
1/26/21	<ul style="list-style-type: none">Hands-on Exercise 11-5	<ul style="list-style-type: none">Review of final presentationPresentation run-throughs
2/2/21	<ul style="list-style-type: none">Team project written submission	<ul style="list-style-type: none">Present team projects

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MISCELLANY:

Learning Outcomes

- Teamwork
- Oral and Written Communication
- Critical Thinking
- Project Management

Course Unit Instruction

This class is scheduled to meet for four hours per week of classroom instruction. You are also required to meet face-to-face with your team weekly. Team meetings are mandatory in the Accelerated Program and provide an additional 20 hours of instruction.

Canvas

We will be using Canvas in this module to post and submit assignments, share files and exchange information. Please log in to Canvas prior to our first class and review any material that is present. The Canvas portal can be reached from the <https://muhlenberg-college.onelogin.com> portal. Your authentication credentials are your network username and password.

Written Work

All written homework and project submissions will be graded not only on content but on overall coherence including structure, spelling and grammar. A writing assessment rubric will be distributed to provide you with a defined standard of performance. Refer to the APA style guidelines for clarification and guidance.

Attendance

Students are expected to attend class. If schedule commitments or illness impacts your ability to attend any of the class meetings, please let me know ASAP. You are still responsible for the material covered in any classes that you miss. Late individual assignments will be accepted but will be penalized 10% per week. Assignments more than two weeks late will not be accepted.

Instructor Accessibility

I welcome questions outside of class and will be happy to meet with you by appointment if you have concerns or need additional help. I am reachable anytime by e-mail. You may text or call me anytime on my mobile phone. If you call, and I don't pick up immediately, please leave a message. I will return your call as soon as I am able.

Students With Disabilities And Special Needs

Students with disabilities requesting classroom or course accommodations must complete a multi-faceted application/approval process through the Office of Disability Services prior to the development and implementation of an Accommodation Plan. Each Plan is individually and collaboratively developed with the directors or other staff of the following Departments, as appropriate: Academic Resource Center, Counseling Services, Student Health Services, and the Office of Disability Services. If you have not already done so, please contact the appropriate Department to begin a dialogue regarding your academic needs and recommended accommodations, auxiliary aids, and services.

Academic Behavior Code

As an academic community devoted to the discovery and dissemination of truth, Muhlenberg College insists that its students will conduct themselves honestly in all academic activities. On all forms of work submitted for a grade (e.g. paper, oral, digital, and electronic), students shall write and sign the following pledge: "I pledge that I have complied with the Academic Integrity Code in this work" or simply "I pledge the A.I.C."