

Department of Mathematics and Computer Science
CS 275: Web Programming
Syllabus (Section OLB, Spring 2019)

Information

Instructor: Dr. Iyad A. Ajwa
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Office Hours: Monday & Wednesday: 9:00 a.m. – 12:00 noon & 1:00 p.m. – 3:00 p.m.
Tuesday & Thursday: 8:00 a.m. – 12:00 noon & 1:00 p.m. – 3:00 p.m.
Friday: 9:00 a.m. – 12:00 noon

Catalog Information

- **Course Credit Hours:** 3 credit hours
- **Course Prerequisites:** CS 175: Web Design
- **Course Description:** A continuation of CS 175, with emphasis on Web services and server-side programming using PHP.

Student Learning Outcomes

By the end of this course, students will be able to:

- Build and maintain dynamic Web pages using PHP
- Build powerful Web-based applications using connectivity to MySQL
- Describe the basic aspects of Web servers and protocols

Course Materials

- **Required Textbook:** *Fundamentals of Web Development*, Second Edition, by Randy Connolly and Ricardo Hoar, ISBN: 9780134481265, ©2018 by Pearson Education, Inc.

Student Assessment Criteria: Overall student performance will be assessed using hands-on assignments (45.5%) and quizzes (54.5%).

- **Hands-On Assignments.** Building sophisticated applications that are optimized, responsive, and able to perform complex interactions at fast speeds requires patience, skill, and practice. For each chapter we cover, there will be a hands-on assignment where you practice on concepts and techniques you will learn in that chapter. With this view in mind, you should expect 7 hands-on assignments; each is worth 6.5 points for a total of 45.5% of your final grade.

Submission Policy: Each hands-on assignment must be completed and submitted online using Blackboard. No other means of submission, including email, will be accepted.

Late Policy: Due dates for hands-on assignments are not flexible. *You must get assignments in on time.* Assignments must be submitted by 11:55 p.m. on the announced due dates. Otherwise, they will be considered late and will be penalized as explained below. The drop box for each assignment will stop accepting submissions after 11:55 p.m. on the 4th day after the announced due date. No late submissions will be accepted after that and the score issued for the assignment will be zero. *There will be no exceptions to this policy.* It is your responsibility to complete and submit your work on time.

3 points if submitted between 11:59 p.m. on Due Date and 11:58 p.m. on Due Date + 1 Day

4 points if submitted between 11:59 p.m. on Due Date + 1 Day and 11:58 p.m. on Due Date + 2 Days
5 points if submitted between 11:59 p.m. on Due Date + 2 Days and 11:58 p.m. on Due Date + 3 Days
6.5 points if submitted between 11:59 p.m. on Due Date + 3 Days and 11:59 p.m. on Due Date + 4 Days

- **Quizzes.** A total of 8 online quizzes will be given during the course of the semester. Quiz 0 is worth 2 points and is on guidelines and policies of the course as detailed in this document. Each of Quizzes 1 through 7 is worth 7.5 points for a total of 53.5% of your final grade. Each quiz is on contents of one learning module and consists of true/false and multiple-choice questions. Quizzes are closed-all-resources (written and online) and will be made available on the first day of classes. Quizzes must be completed and submitted online using Blackboard by 11:59 p.m. on Sunday each week.

Submission Policy: Quizzes must be completed and submitted online using Blackboard. No other means of submission, including email, will be accepted.

Late Policy: Due dates for quizzes are not flexible. *You must take the quizzes on time unless there are truly extenuating circumstances.* Quizzes will not be accessible after their correspondent due dates have passed. There will be no make-up quizzes.

- **Letter grades** will be assigned according to the following grading scale:
(100 ≥ A ≥ 94) (94 > A- ≥ 90) (90 > B+ ≥ 87) (87 > B ≥ 84) (84 > B- ≥ 80) (80 > C+ ≥ 77)
(77 > C ≥ 74) (74 > C- ≥ 70) (70 > D+ ≥ 67) (67 > D ≥ 64) (64 > D- ≥ 60) (60 > F ≥ 0)

Course Guidelines

- **Teaching Methodology:** *Web Programming* will be delivered online. This course format consistently meets the same quality, assessment, learning outcomes and requirements of the traditional semester offering of this course. The course will heavily utilize the Blackboard Learning Management System. All course materials and requirements will be made available online on the first day of classes and will be organized by week. Within each weekly learning module, you will find power-point slides, links to video segments, a hands-on assignment, and a quiz. You will also find links to relevant and useful information.
- **Academic Integrity** is an important element of effective learning. All students are expected to read, understand, and follow the Academic Integrity Policy specified in the Ashland University Student Handbook. For quizzes, this means that students may not give or receive assistance on a quiz or on the exam. For graded assignments, students may not seek and/or receive help from any source including but not limited to written and online resources. Copying and/or submitting another student's solution on individual assignments is a violation of the policy (and defeats the purpose of doing the assignments) and is not permitted. If you do not understand how to do an assignment, contact me by telephone or email or come by my office, and I will be happy to assist you in a way that will increase your understanding of the assignment. Forms of academic dishonesty will be handled in accordance with University policy. The minimum punishment for plagiarism, cheating or other academic integrity violations is a zero on the quiz, exam, or assignment on which the violation occurred. The maximum punishment is a grade of "F" for the course and the incident will be reported to the University.
- **Student Accommodations:** It is Ashland University's goal that learning experiences be as accessible as possible. If you anticipate or experience physical or academic barriers based on a disability, please contact Student Accessibility Center at 419-289-5904, or send an email to au-sac@ashland.edu. The Student Accessibility Center and the course instructor will work together in order to establish accommodations, and to meet your learning needs.

- **Tutoring Included in Your Tuition.** AU provides students with peer tutoring in any of your undergraduate courses, drop-in on most requested courses from Monday to Thursday 7:00 – 9:00 pm. We also offer Time Management, Study Skills, Note Taking, and Test Taking Strategies tutoring. Please visit www.ashland.edu/tutor for a full drop-in courses schedule or click on “One on One Tutoring” to request a tutor by filling out the form, and we will be in touch with you very soon. The ideal time to request tutoring is during your 3rd week of class to get you ready for your mid-terms taking place during week 8. Questions? Denisia Stoops, Tutoring Programs Coordinator, dstoops@ashland.edu, 419.207.6779, or 701 Library during regular business hours.
- **Course Outline:** The following is a tentative course schedule. Dates are subject to change.

| Week | Topic | Reading Assignment |
|------|--|--------------------|
| 1 | JavaScript 1: Language Fundamentals | Chapter 8 |
| 2 | JavaScript 2: Using JavaScript | Chapter 9 |
| 3 | JavaScript 3: Extending JavaScript with jQuery | Chapter 10 |
| 4 | Introduction to Server-Side Development with PHP | Chapter 11 |
| 5 | PHP Arrays and Superglobals | Chapter 12 |
| 6 | PHP Classes and Objects | Chapter 13 |
| 7 | Working with Databases | Chapter 14 |