

Kenneth P. Dietrich School of Arts and Sciences
College in High School

2023-2024

Intermediate Web Site Design and Development
CS 0334--3 Credits

Description: The objective of this course is to introduce students to more advanced implementations of markup as well as scripting languages. In addition, students will be introduced to a graphical interface application that will allow them to explore concepts of server-side web development. A reflective programming language and database application will be used to introduce the server-side web development concepts.

Prerequisites: CS 0007 or CS 0134 or CMPINF 0401

Grading: Grading will be based on in class labs, homework, a final project, and exams.

Textbook: Recommended: *PHP6/MySQL Programming for the Absolute Beginner* by Andy Harris. Or any textbook that covers the topics listed below.

The University of Pittsburgh's CS 0334 is divided into 4 primary topics:

1. XHTML/HTML5 review and topic expansion (including CSS3)
 - CSS layout
 - Web templates
2. Java Script review and topic expansion (including form validation)
 - JavaScript
 - JS Methods
 - XAMPP & WAMP
3. PHP basic development and data base connection
 - Intro to PHP
 - PHP applications
4. MySQL (including the installation and use of (WAMP, MAMP, or LAMP))
 - SQL languages
 - PHP & SQL connections

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Academic Integrity: All College in High School teachers, students, and their parents/guardians are required to review and be familiar with the University of Pittsburgh's Academic Integrity Policy located online at <https://www.as.pitt.edu/faculty/policies-and-procedures/academic-integrity-code>.

Grades: Grade criteria in the high school course may differ slightly from University of Pittsburgh standards. A CHS student could receive two course grades: one for high school and one for the University transcript. In most cases the grades are the same. These grading standards are explained at the beginning of each course.

Transfer Credit: University of Pittsburgh grades earned in CHS courses appear on an official University of Pittsburgh transcript, and the course credits are likely to be eligible for transfer to other colleges and universities. Students are encouraged to contact potential colleges and universities in advance to ensure their CHS credits would be accepted. If students decide to attend any University of Pittsburgh campuses, the University of Pittsburgh grade earned in the course will count toward the student grade point average at the University. At the University of Pittsburgh, the CHS course supersedes any equivalent AP credit.

Drops and Withdrawals: Students should monitor progress in a course. CHS teacher can obtain a Course Drop/Withdrawal Request form from the CHS office or Aspire. The form must be completed by the student, teacher and parent/guardian and returned to teacher by deadlines listed. Dropping and withdrawing from the CHS course has no effect on enrollment in the high school credits for the course.