

Montgomery County Community College  
CIS 114  
Web Design and Development  
3-2-2

**COURSE DESCRIPTION:**

This hands-on course introduces students to the fundamental skills required to build a modern and standards compliant Web site. A specific focus is placed on usability design and the use of HTML and CSS standards to create positive user experiences across a variety of devices and browsers. Students will learn the tools and skills necessary to build, organize, and maintain Web sites while following industry best practices in interface design and usability.

**REQUISITE(S):**

*Previous Course Requirements*

- \* ENG 011 or ESL 011 Basic Writing II
- \* REA 011 Fundamentals of College Reading or REA 017 Vocabulary & Reading Comprehension Development II

*Concurrent Course Requirements*

None

LEARNING OUTCOMES      LEARNING ACTIV

- 10. CSS Page Layout
- 11. Advanced Features of HTML
- 12. Tables
- 13. Forms
- 14. The Web Site Development Process
  - a. Capstone project
  
- 15. Content Management Systems
- 16. Multimedia & Interactivity
- 17. Domains, Hosting, and Site Promotion
- 18. Javascript Introduction

**LEARNING MATERIALS:**

Carey, P. (2021) *New Perspectives on HTML5 and CSS: Comprehensive 8<sup>th</sup> edition with MindTap*. Course Technology. ISBN:

Krug, S. (2014) *Ö[] } øÁ æ^Á^Á/ç \KÓZÓ[ { { [] Á^} •^Áç] !: æ&ç Á^àÁ^ æãã (3<sup>rd</sup> Ed)*. New Riders. 9780321965516

Other learning materials may be required and made available directly to the student and/or via the College’s Libraries and/or course management system.

**COURSE APPROVAL:**

Prepared by: Alan Evans	Date: 1/2002
Revised by: Pat Rahmlow	Date: 3/2009
VPAA/Provost Compliance Verification: Dr. John C. Flynn, Jr.	Date: 9/11/2009
Revised by: Jason Wertz	Date: 2/2010
Revised by: Patricia S. Rahmlow	Date: 3/2013
VPAA/Provost or designee Compliance Verification: Victoria Bastecki-Perez, Ed.D.	Date: 7/11/2013
Revised by: Patricia S. Rahmlow	Date: 5/2017
VPAA/Provost or designee Compliance Verification: Victoria L. Bastecki-Perez, Ed.D.	Date: 8/21/2017
Revised by: Marie Hartlein	Date: 4/26/2021
VPAA or designee Compliance Verification:	Date: 4/27/2021



*This course is consistent with Montgomery County Ö[ { { ~} æ^Áç] ||^\*^çÁ æ•ã}. It was developed, approved and will be delivered in full compliance with the policies and procedures established by the College.*