

For professionals who want to learn how to use Web design software or for graphic artists who want to gain Web design skills

Course Descriptions:

DREAMWEAVER/FIREWORKS

CSE 5066 (3.2 CEUs)

Designed for students who want to learn how to design, create, and implement professional Web pages. Students can learn to create full-featured Web sites using Macromedia Dreamweaver and Fireworks. Specifically, this course will cover the use of templates, frames, forms, Javascript mouseovers, and multimedia in web pages. Learn how to use Fireworks to create graphics with both vector and bitmap images, apply special effects, build buttons, add roll-overs, and create an animated GIF. This course will focus on designing, creating, and uploading a multipage Web site. Prerequisite: HTML or XHTML, JavaScripting helpful

PHOTOSHOP FOR THE WORLD WIDE WEB

CSE 5065-001 (REQUIRED 1.5 CEUs)

Students can learn how to use Photo-shop and ImageReady to create, edit, and optimize images for the World Wide Web. Topics covered will include color on the Web, transparency, banners and picture text, scanning techniques, basic design principles, and several advanced techniques. Among these will be animation, rollovers, image slicing, and actions. Students will create a final project consisting of a series of Web pages incorporating graphics created during the class.

FLASH

CSE 5082-001 (REQUIRED 1.5 CEUs)

Flash is the key to designing and delivering low-bandwidth animations, presentations, and Web sites. Students can learn to create Flash animations and movies.

JAVA SCRIPTING

CSE 6625 (ELECTIVE, 2.4 CEUs)

Designed for students who have solid knowledge of HTML. This course explains JavaScript and its uses to create HTML applets such as display messages and scrolling text banners; access URLs from a list; and validate the user-entered HTML form data. Prerequisite: Fundamentals of Programming and XHTML

ADVANCED FLASH: ACTIONSCRIPT AND BEYOND

(2.4 CEUs)

A comprehensive course primarily working with ActionScript programming and advanced integration and design techniques such as complex inter- activity and quicktime video. Thorough knowledge of Flash basics is a must!

SEE NEXT PAGE FOR OPTIONAL COURSES (NOT PART OF CERTIFICATE PROGRAM)



OPTIONAL COURSE DESCRIPTIONS:
(COURSES NOT PART OF CERTIFICATE)

PHOTOSHOP FOR THE WORLD WIDE WEB II

CSE 5226-001 (1.5 CEUs)

This course will build on *Photoshop For the World Wide Web I* to help provide students with advanced skills needed to establish themselves as Photoshop pros. Topics will include using the vector graphics tools to make professional-level logos, tabs, and toolbars; working with paths from Illustrator and Freehand; and advanced layer blending effects. Workflow topics will include working “smart” so that you are ready for client changes, (e.g., making comps and storyboards and designing for modifiability). Layout topics will include using ImageReady to design standards-based and “stretchy” web pages. Students will also decode the JavaScript that ImageReady creates, and explore alternatives such as Dreamweaver extensions and hand-coded rollovers. Finally, we will touch on client-pleasers such as collages, rich user interfaces, and icons. Prerequisite: Photoshop For the World Wide Web or equivalent familiarity with Photoshop

COLD FUSION

CSE 5015 (2.1 CEUs)

Introduction to ColdFusion MX 7 requires no previous knowledge or experience with server-side Web application development. This course will cover the following topics: How the ColdFusion MX 7 web server functions; The basics of the CFML (ColdFusion Markup Language); Outputting dynamic content; Form validation and the server-side processing of forms; Writing re-usable code; The basics of SQL (Structured Query Language); Manipulating a database with ColdFusion; Maintaining session state; Writing conditional code. Prerequisites: XHTML or HTML, Additional Preferred Skills (not required): SQL, CSS, Javascript

For more information, call 215-881-7389. For class times and fees, review our
2008 Course Schedules link at www.abington.psu.edu/psasite/cel/.