Web Development with JavaScript and HTML5 Program
An eight-week in-depth program focused on user-centered Web development

Overview

DePaul University’s Web Development with JavaScript and HTML5 is designed to provide an in-depth introduction to the development of interactive, inter-operable, and user-centered websites using JavaScript, HTML5, and related leading-edge technologies such as CSS3. These technologies support media-rich, interactive websites that have the look and feel of traditional desktop applications. HTML5 is designed to subsume previous versions of this mark-up language and to work transparently with JavaScript and JavaScript frameworks such as jQuery; and HTML5 is a leading candidate to support cross-platform mobile applications. CSS3 is the preferred language for specifying the visual design of HTML5 documents. Modern JavaScript libraries and frameworks, in particular jQuery, are well suited to work with HTML5 in the construction of media-sharing sites, wikis, blogs, mashups, and folksonomies.

Topics in the curriculum include: HTML5 and CSS3 integration; JavaScript programming; browser-agnostic JavaScript; DOM-based manipulation of HTML documents; programming in jQuery; the browser-event model; client-side debugging techniques; asynchronous client/server interaction (Ajax); animation and visual effects; form management and validation; JSON and XML data representation; and advanced HTML5 features such as the canvas, audio, and video elements.

Because the program is oriented towards developers, there will be a wide variety of code segments and sample applications. Classroom lectures and demonstrations will be complemented by reading and programming assignments.

Admission:

Applicants must have a solid programming background (at least two years of professional software development experience is preferred), including experience with Web development and HTML.

The Web Development with JavaScript and HTML5 Program is one of several certificate programs offered by the College of Computing and Digital Media through its Institute for Professional Development. The program is catalogued as DePaul University course IPD 356 and carries 4 undergraduate-level credit hours (quarter system). The course credit and a certificate of completion from DePaul University are awarded to those who successfully complete the program’s academic requirements.

Winter Quarter 2014

Dates & Location:

Application due: Dec. 18, 2013
Tuition due: Jan. 2, 2014

On-campus: scheduled to meet at DePaul’s Loop Campus on Tuesday evenings (5:45pm-9pm) and Saturday mornings (9am-12:15pm).

Online: An online section will be conducted in conjunction with the on-campus section. For more information about the online section, see the enclosed insert.

DePaul University reserves the right to cancel any program before that program’s first meeting.

Fees:

Application: $40.00 (non-refundable) – to be submitted with a completed application
Tuition: $1,850.00

Textbooks are a separate purchase to be made by students.

Full payment of tuition must be received by the Institute for Professional Development office before the start of the program. The university’s refund policy allows a return of 100% of tuition (minus a separate $25 registration fee) if the student drops the Web Development with JavaScript and HTML5 Program by January 28, 2014.

Applicants wishing to use the university’s DePEPER Plan (DePaul University’s Extension Plan for Employer Reimbursement), the In-Term Payment Plan, or a third-party billing arrangement should contact the Institute for Professional Development office for details.

Additional Information

For inquiries, please contact DePaul University’s Institute for Professional Development at (312) 362-6282, or visit ipd.cdm.depaul.edu.