DePaul University

COLLEGE OF COMPUTING AND DIGITAL MEDIA

Institute for Professional Development

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. HMTL5 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.

Dates & Location:

Autumn Quarter 2021

Application deadline:	Aug. 25, 2021	Classes begin:	Sept. 16, 2021
Tuition deadline:	Sept. 1, 2021	Classes end:	Nov. 6, 2021

Online: Sync Section
Days & Times: Thursdays, 5:45pm-9:00pm and Saturday mornings, 9:00am-12:15pm (Central Time)

These classes take place at a specific time on a specific day, with the instructor and all the students meeting online using a synchronous meeting tool like Zoom. Before selecting this option, please carefully consider your ability to actively participate in video and audio with a reliable internet connection.

What if I cannot make it to every online synchronous class meeting?
Joining the class meetings in real time is highly recommended, but is not required. Classes will be recorded, so any student who is not able to join will be able to watch the recording of the class. Students are still expected to keep pace with the weekly topics and assignments.

Online: Async (Sync-Option) Section
These classes do not meet at a specific time on specific days. This class is paired with a class that takes place at a specific time on a specific day via Zoom (or similar tool). Students in this class may connect with the live classroom and instructor, if and when they are available, but they are not required to do so.

Students will have access to the recordings of the paired synchronous online classroom. They are expected to follow the same weekly agenda of topics and assignments as the class that meets synchronously, but can view the course material at a time of their own choosing.

Fees: Application: $ 40.00 (non-refundable) – to be submitted with a completed application
Tuition: $ 2,665.00

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. Students who elect to pay tuition using a credit or debit card will be assessed a non-refundable 2.75% convenience fee. Applicants wishing to use the university's Employer Tuition Deferral Plan, the In-Term Payment Plan, or a third-party billing arrangement should contact the Institute for Professional Development office for details.

Refund/Cancellation: DePaul reserves the right to cancel any program before that program's first scheduled meeting, in which case tuition fees (but not convenience fees) will be refunded. The university's refund policy allows a return of 100% of tuition if the student drops the Web Development with JavaScript and HTML Program by Sept. 30, 2021 (convenience fees will not be refunded).

Please note: Any student who enrolls in a full-time course load (8 graduate or 12 undergraduate credit hours) and where at least one course is taught at an on-campus location will be automatically enrolled in the University's CTA U-Pass program. The cost of the CTA U-Pass is $105.00 per quarter. Further information about the U-Pass program is found at upass.depaul.edu.

Additional Information

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