Courses

**WEB 1400. Intro to Internet Development. 3 Hours.**
For students pursuing a degree in Computer and Information Technology. Hands-on experience in Internet development, including fundamental web development skills including writing HTML and CSS code, planning and organizing web sites, storyboarding, Internet development environments, and creating and organizing graphics for multiple types of online use. Also examines competitive online markets, technical issues, legal framework, as well as production issues associated with Internet development. Course fee required. FA, SP.

**WEB 3000. Internet Publish & Design. 3 Hours.**
For students pursuing a degree in Computer and Information Technology. Covers Internet publishing and design principles, including interface design, PHP scripting, intermediate and advanced HTML (Hypertext Markup Language) techniques, Cascading Style Sheets. XML (Extensible Markup Language), JavaScript, QuickTime Virtual Reality (QTVR), and other advanced web publishing tools. Dual listed with CS 3000 (students may take only one course for credit). Course fee required. Prerequisites: CS 1400 (Grade C- or higher); AND WEB 1400 (Grade C- or higher); AND DES 2500 (Grade C- or higher); AND DES 2600 (Grade C- or higher). FA, SP.

**WEB 3100. Interactive Multimedia. 3 Hours.**
For students pursuing a degree in Computer and Information Technology. Introduces hardware and software used to integrate text, sound, graphics, animation, and video into rich-content multimedia projects using various computer-based disciplines, including graphic design, digital video, interface elements, and light OOP-structured scripting. Successful students will be able to develop professionally designed interactive multimedia interfaces with rich content. Assignments require access to specific programs on either Macintosh or Windows platforms. Dual listed with CS 3100 (students may take only one course for credit). Course fee required. Prerequisites: CS 1400 (Grade C- or higher); AND DES 2500 (Grade C- or higher); AND DES 2600 (Grade C- or higher). FA, SP.

**WEB 3500. Electronic Commerce. 3 Hours.**
For students pursuing a Computer & Information Technology degree. Also open to other interested students. Covers concepts and principles of electronic commerce from an interdisciplinary approach, including computer sciences, marketing, consumer behavior, finance, economics, and information systems. Specifics include electronic commerce process steps, Internet infrastructure, demographics, marketing and market research, advertising, promotion, strategy development, financing, competitive analysis, technical development, Web site review, launch, and on-going innovation. Course fee required. FA, SP.

**WEB 3550. Internet & eCommerce Marketing. 3 Hours.**
For students pursuing a Computer & Information Technology degree. Also open to interested students. Covers impact of new technologies and Internet expansion on marketing and advertising information intensive products and services on the Internet, particularly targeting and reaching customers. Course fee required. FA, SP.

**WEB 4000. Dynamic Web Development. 3 Hours.**
For students pursuing a degree in Computer and Information Technology. Covers dynamic web development using PHP and MySQL, including basic scripts and functions, variables, form processing, server side includes, web database integration, database design, database driven web sites, security, and web management systems. Dual listed with CS 4000 (students may take only one course for credit). Course fee required. Prerequisite: WEB 3000 (Grade C- or higher) and IT 4300 (Grade C- or higher). FA, SP.

**WEB 4010. Interactive Web Development. 3 Hours.**
For students pursuing a degree in Computer and Information Technology. Also open to other interested students. Covers client-side JavaScript web development, including form validation, interactive web page development, DOM manipulation, client-side applications, and interaction with server-side applications. Dual listed with CS 4010 (students may take only one course for credit). Course fee required. Prerequisites: CS 1410 (Grade C- or higher); AND WEB 1400 (Grade C- or higher); AND DES 2500 (Grade C- or higher); AND DES 2600 (Grade C- or higher). FA.

**WEB 4600. Senior Project. 3 Hours.**
For students pursuing a degree in Computer and Information Technology. Emphasizes application of skills to commercial projects through design of or contribution to various private sector or university internet projects, print, and multimedia projects. Includes portfolio development. Course fee required. Prerequisite: Senior standing. SP.

**WEB 4900R. Independent Research. 1-3 Hours.**
For students pursuing an emphasis in Web Design and Development with advanced standing who wish to pursue a specific focus of study related to their degree emphasis and/or research interest not otherwise available in the current Web Design and Development curriculum. Students are closely supervised by appropriate faculty in the design and successful completion of the course. The course is dependent upon a formal contractual arrangement with the faculty member that is submitted at the beginning of the semester in which coursework is undertaken, and is contingent upon the department chair's approval. Students meet with the faculty mentor each week and provide progress reports for feedback. Students are required to meet the university requirement of 45 hours of work per credit. Variable credit 1.0 - 3.0. Repeatable up to 3 credits subject to graduation restrictions. Course fee required. Prerequisite: Instructor permission. Offered by arrangement.

**WEB 4920R. Internship. 1-3 Hours.**
Internship course in Web Design and Development. Course fee required. Variable credit 1.0 - 3.0. Repeatable up to 3 credits subject to graduation restrictions. Prerequisite: Instructor permission. Offered by arrangement.
WEB 4990. Seminar in Web Development. 3 Hours.
For students wishing instruction that is not available through other regularly scheduled courses in this discipline. Occasionally, either students need some type of non-traditional instruction, or an unanticipated opportunity for instruction presents itself. This course may include standard lectures, travel and field trips, guest speakers, laboratory exercises, or other nontraditional instruction methods. Repeatable for credit as topics vary, up to 6 credits. Course fee required. Prerequisite: Advanced standing. Offered by arrangement.