CS 295 – Intermediate Web Authoring

Catalog Description: Designing, developing, publishing, and maintaining dynamic websites; web security and privacy issues; emerging web technologies.

Credits: 4

Prerequisites: CS 195 or equivalent

Courses that require this as a prerequisite: None

Structure: Four 50-minute lectures per week

Instructors: Pamela Van Londen

Course Content:
- Ongoing participation in online discussions. .
- Design: site plan development and documentation, theme design, development of templates
- Inquiry forms: mail handling script (PHP), validation script (JavaScript), dynamic data script (Ajax), cookie handling, reply pages
- Security and privacy: issues, development of policies/privacy statement.
- Web services and dynamic control: dynamic navigation, toolbars, shopping carts, payment options, maps, polls, media, tool tips, animation, forums, blogs, chat functions
- Databases: design, display of database-driven content
- Open source: installation, modification, configuration of users, adding components
- Delivery of public-ready sites, including presentation and peer review

Learning Resources:
Students choose any of the following texts, or another manual that suits their learning style
- Larry Ullman, *PHP and MySQL for Dynamic Web Sites* (2003), Visual QuickProject, Peachpit Press.
- Molly E. Holzschlag, *250 HTML and Web Design Secrets* (2004), Wiley Publishing.
- June Cohen, Unusually Useful Web Book (2003), New Riders.
- Jason Cranford Teague, *DHTML and CSS For the World Wide Web*, 3rd Ed, Visual Quickstart Guide, Peachpit Press.
- Mike McGrath, *PHP 5 in Easy Steps* (2004), Barnes and Noble.
- J. Tarin Towers, *Dreamweaver MX*, Visual Quickstart Guide, Peachpit Press.

Measurable Student Learning Outcomes:
At the completion of the course, students will be able to…
1. **Envision, design, prototype, produce, test, and promote** a web site that uses
   a. Compliant HTML and CSS
   b. Dynamic navigation
   c. Embedded media

      d. Database-driven structure and content
      e. Secure forms with dynamic user interaction
      f. Content Management Systems (CMS) such as blogs, forums, wikis, and galleries

2. **Recognize** quality design elements and compliant code
3. **Discuss** best practices in web site security, user interface design, content management, and new issues

Students with Disabilities:
Accommodations are collaborative efforts between students, faculty and Disability Access Services (DAS). Students with accommodations approved through DAS are responsible for contacting the faculty member in charge of the course prior to or during the first week of the term to discuss accommodations. Students who believe they are eligible for accommodations but who have not yet obtained approval through DAS should contact DAS immediately at 737-4098.

Link to Statement of Expectations for Student Conduct, i.e., cheating policies
http://oregonstate.edu/admin/stucon/achon.htm