

**Course Number & Name:** LIS 531G - Web Development and Information Architecture

**Description:** Organizing and structuring content to help individuals, communities, and organizations find and manage internal and external Web-based resources and services. Application of current coding, metadata, and style standards to create Web documents. Evaluation of Web site quality and usability, and assessment of resource discovery tools. Strategic planning and user needs analysis for information architecture. Content inventory, organization, and management in support of wayfinding and navigation. Design documents for prototyping large Web sites. Readings, essays, design projects, in-class presentations.

- **Prerequisites:** LIS 407 and 488
- **Audience (level, environment/setting):** None given
- **Student Learning Outcomes [by number]:** 1, 4, 6, 10
- **Topics/List of Lectures:**
  - The importance of user interface design
  - Model and setting; Resource types and identification
  - Browsers, helpers and plug-ins; Sources of shareware and public domain utilities;
  - Search services
  - Authoring tools
  - XHTML, markup, layout, good coding practice, CSS
  - Interactivity: forms, CGI, JavaScript
  - Design standards and pitfalls
  - The multidisciplinary nature of IA
  - The Website development cycle
  - Strategic planning, user needs analysis
  - Site planning and organization, content inventory, chunking
  - Design documents: storyboards, blueprints, sketches, and wireframes
  - Content organization: taxonomy, classification, navigation, labeling
  - Wayfinding and search
  - Evaluation and usability, ethnographic methods
  - Content management: descriptive metadata, back-end databases, XML, Web content management systems
  - Trends in resource discovery and resource provision
- **Suggested Textbooks/Readings**
  - Garrett, Jesse James. (2003). *The elements of user experience: User-centered design of the Web*. Indianapolis, IN: New Riders.

- Krug, Steve. (2000). *Don't make me think*. Indianapolis, IN: Que.
  - Musciano, Chuck, & Kennedy, Bill. (2002). *HTML and XHTML: The definitive guide*. 5th ed. Cambridge, MA: O'Reilly.
  - Rosenfeld, Louis, & Morville, Peter. (2002). *Information architecture for the World Wide Web*. Cambridge, MA: O'Reilly.
  - Wodtke, Christina. (2003). *Information architecture: Blueprints for the Web*. Indianapolis, IN: New Riders..
- **Course History:**

October 2004: discussed at curriculum retreat -- contains the content formerly in LIS 520R (Information Services and the World Wide Web), LIS 520X (Introduction to Information Architecture), as well as some content from LIS 457 (World Wide Web and Electronic Publishing); voted in as new course (10/04)
  - **Document prepared by:** Candy Schwartz, 10/04