LIS 5433  DESIGN & IMPLEMENTATION OF WEB-BASED INFORMATION SERVICES

Catalog Course Description: LIS 5433. Design and Implementation of Web-based Information Services (crosslisted with Knowledge Management 5433). Prerequisite: 5033 and 5043. 3 hours. Design fundamentals for web-based information services. Emphasis on networked information, information architecture, and usability, based on analysis and evaluation of current connectivity infrastructure and characteristics and behavior of networked audiences.

Interpretation of Course Description: This course introduces students to best practices and current tools and technologies for the provision of web-based information services by libraries and other information institutions, largely by examining and engaging with current and emerging web technologies relevant to a variety of information environments. Small group discussions, readings, current awareness and design activities, individual tutorials at a variety of levels, and both individual and group projects offer opportunities to develop and enhance design and implementation skills throughout the semester.

Audience: Guided elective (Content Management category); advanced; appropriate for both MSKM and MLIS students. Online format.

Expectations: Prior to the start of class, students should be able to use D2L. This course explicitly employs a “learning by doing” design philosophy. Knowledge of HTML is desirable, though not required.

Student Learning Objectives:
Upon successful completion of this course, a student will be able to:
* demonstrate understanding of the theory and practice of making networked information services usable and accessible to remote users
* identify and discuss major issues and current trends in networked information services
* understand, evaluate, and use web technologies and tools relevant to a variety of information environments
* design and deploy one or more web technology or tool relevant to the student's current and projected information environments

Topics: Timeline of library-related technological development (including Library 2.0)
Usability and accessibility issues and best practices
Introduction to information architecture
Introduction to designing for information literacies
Audience analysis and web analytics
Discovery tools (including OPACs and search engines)
Classification tools (including metadata and taxonomies)
Content tools (including web authoring tools and content management systems)
Inquiry tools (assorted virtual reference tools)
Copyright, open source software, and open access publishing platforms

Opportunities for Utilizing Relevant Technology: The class offers a variety of opportunities to design and implement web-based information resources, based on student skills and interests.

Course Last Offered: Fall 2009

Document prepared by: Betsy Martens, Fall 2009

Disclaimer: This summary represents the course as it has been taught in past semesters and is provided for the convenience of students and advisors. No guarantees are expressed or implied about current and future course offerings.