LIS 4633/5633 – Design and Implementation of Web-based Information Services

Catalog Course Description: 3 hours. Design fundamentals for web-based information services; information services; implementation of storage, access, and distribution systems; knowledge representation methods; metadata and information structures; connectivity infrastructure; characteristics and behavior of networked audiences; systems use and usability. No student may earn credit for both 4633 and 5633

Interpretation of Course Description: The focus of this course is on the elements of good design for any information system with multiple users, through the study of website design. Best practices for successful design are introduced and utilized including needs analysis, usability studies, user testing, information architecture, visual layout, new technology trends, content management, and project management. Students work both individually as in groups to create a website re-design proposal.

Audience: (level, environment/setting):
  • Graduate: Elective, Information Technology Category. Online format.
  • Undergraduate: Required, Core Course Category. Online format.

Expectations: Students are expected to have an understanding of the foundations of information studies.
  • Graduate: Prerequisites LIS 5033
  • Undergraduate: No prerequisites, Junior Standing

Student Learning Objectives: At the completion of this course, students should be able to:
  • Define information needs and project goals
  • Design information systems focused on strong usability through knowledge of user needs analysis, information architecture, layout, and management
  • Identify and evaluate current information tools, technologies, and trends.
  • Manage the process for project evaluation and implementation.

Topics:
  • Usability and accessibility of information systems
  • Needs analysis including system goals, define users and user needs, design analysis and content analysis
  • Tools for project management and systems implementation
  • Client and team dynamics and management
  • Information architecture, content management, design elements and layout,
  • Keeping abreast of new technology innovations and trends, and their application
  • Systems implementation and maintenance

Opportunities for Utilizing Relevant Technology: Since this course is delivered online, students will exclusively use technology to access materials, and complete assignments (written, online quizzes, and discussion). Students use self-selected software to design visual layouts, information structures, content management systems. Assignment specifically address the evaluation and use of immersing technologies and tools

Course Last Offered: Fall 2012 Document prepared by: Stacy Zemke, Fall 2012

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.