



School of Information Sciences

Course Profile: Building Web-based Information Services

Course Number: INF 7430

Credits: 3

MLIS Prerequisite(s): INF 6080

MSIM Co-requisite(s): INF 6000

Rationale for Inclusion in Curriculum:

The premise of this course is that librarians are increasingly being looked upon to occupy systems administrative positions. The positions include running file servers and local area networks (LAN) as well as managing information being placed on the Internet. This course includes sections on functions of basic operating systems, theory of operating systems, file systems, security, and configuring and monitoring software in multi-user computing environments. This course also focuses on the roles of the system administrator in libraries. Knowledge of HTML and text editors is desirable, but not essential. This course will be of interest to those students considering positions as systems administrators in libraries.

Learning Outcomes:

By the end of the course students will be able to:

1. prepare and manage files for user access via the Internet;
2. setup a demonstration World Wide Web server;
3. identify social, policy, and procedural issues associated with the activity of system administration and libraries;
4. identify professional challenges and opportunities they present;
5. Demonstrate awareness of course concepts and techniques.

Content:

1. Unix Servers / Windows Servers
2. Client-server systems in multi-user environments
3. system administration functions
4. user level functions
5. creation and editing documents

6. setting up portions of file systems
7. assignment of user privileges
8. set up working demonstration web servers to provide library and archival information;

Course Methodology:

1. Class discussions
2. Critical appraisal of resources available
3. Demonstrations
4. Examination of relevant professional, ethical, and social issues connected with the activities of the systems administrator
5. Hands-on experience in the use and construction of various information retrieval and presentation tools
6. Lectures
7. Operation of applied software packages
8. Readings

Basis for Evaluation of Student performance:

1. Assignments for software applications,
2. Completion of tests and assignments,
3. Implementing a correctly functioning web server, which will provide access to library and archival information
4. Participation in class participation

Text: To Be Determined

Approved: 1/12

Updated: 8/13