Course Profile: Project Management

Course Number: INF 7415

Credits: 3

MLIS Prerequisite(s): INF 6080, INF 7040 or consent from the instructor
MSIM Co-requisite(s): INF 6000

Rationale for Inclusion in Curriculum:

This course intends to give library and information professionals an in-depth knowledge of the functions and various components of information systems, as well as a grounding in the tools and techniques of systems analysis and design. The content of the course will include both the concepts and principles of system analysis and design, and hands-on exploration of information systems. No background in computer programming, mathematics, systems analysis, or any other similar field is assumed of students in the course.

Library and information professionals are interacting with information systems on a daily basis. They need a good understanding of how information systems work, and knowledge of tools and techniques to identify and solve problems related to information systems. Systems analysis is a means to viewing circumstances realistically and in designing practical solutions. This course will introduce students to the inside operations of information systems, and the knowledge needed to identify current information systems problems, to determine and define information needs and requirements, and to evaluate alternative solutions.

Learning Outcomes:

By the end of the course, students will be able to:
1. Explain the roles of information systems in modern organizations and electronic environment, and their uses and impact to libraries and other information organizations;
2. Articulate the functions of information systems and their components;
3. Demonstrate knowledge of how information systems are operated and managed, including the inside technical functioning of systems;
4. Evaluate information systems, analyze problems, and propose solutions;
5. Utilize a variety of information system analysis and problem-solving tools, techniques and approaches;
6. Manage projects in relations to system operations and analysis;
7. Acquire practical experience with information systems analysis and design

Content:

The following topics will be covered in this course:
1. the concept of information systems and their functions
2. components of information systems
3. system architecture
4. system development life cycle
5. project management
6. operating and managing systems
7. modeling of system operations
8. system analysis tools and techniques
9. Identifying and Defining Problems
10. Human elements in systems analysis and design
11. System analysis issues and trends

Course Methodology:
The course delivery methodology will include:
1. Class discussions
2. Lectures
3. Hands-on exercises
4. Projects
5. Readings, and software demonstrations.

Bases for Evaluation of Student Performance:
The student's performance will be evaluated using:
1. Assignments
2. Class participation and lab exercises
3. Exams and quizzes
4. Student projects

Approved: 1/12
Updated: 8/13