Course Profile: Information Technology

Course Number: INF 6080

Credits: 3

Prerequisite(s):

Rationale for Inclusion in Curriculum:

Students will apply word processing, spreadsheet, presentation and database skills to solve professional problems of practice. In addition students will understand the interactions of computer hardware, software and networks.

The 21st Century library and information professional is faced with an ever-changing environment with new and updated technologies as well as an increasingly tech-savvy patronage. The very existence of libraries depends upon the professionals who work there. Providing information to patrons in way that is both appropriate and relevant is the key to survival. This course provides the framework for students to understand the important role of technology on the information center, to develop an understanding of the technology lexicon and to confidently adapt to changing technologies.

Learning Outcomes:

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

1. Apply advanced word processing skills to develop library marketing and informational materials
2. Understand and apply the basic vocabulary and principles of computer software, hardware and networks
3. Apply intermediate spreadsheet techniques to perform data analysis (budgets, etc.) in the library environment
4. Make informed technology purchasing decisions for information centers
5. Create a web portfolio utilizing basic markup languages and style
6. Apply knowledge of database construction to developing a database, to effectively using existing professional databases and to evaluating database searching
7. Create and deliver online technology instructional material
8. Collaborate in an online environment
9. Collaborate and communicate effectively in an online environment using audio, video, chat and formal written discourse

Content:

1. Word processing, spreadsheets, database management systems, presentation and collaboration software
2. Principles of web page design, including mark-up languages, style and templates
3. Integrated Library Systems (ILS)
4. Information systems analysis and design
5. Computer, Internet, and network basics
6. Digital media
7. Search engine technology
8. Web technology and e-commerce
9. The digital divide
10. Software and file management
11. Data Representation, microprocessors, storage, and input/output

Course Methodology:

1. Class discussions
2. Projects
3. Papers
4. Lectures
5. Multimedia Presentations
6. Readings
7. Group collaboration

Basis for Evaluation of Student performance:

1. Attendance
2. Class participation
3. Class projects
4. Examinations

Text: To Be Determined

Approved: 1/12

Updated: 8/13