Catalog Course Description: Introduction to the theory and application of information and communication technologies including hardware, software, systems, systems analysis and the nature and functionality of networks; social, technical and organizational influences on the use and users of information technology.

Interpretation of Course Description: This course introduces students to the history and development of basic hardware and software applications; Internet-based history, technologies, and structures; information systems analysis, design, and implementation; and IT theory, social issues, and implementation. This course provides students with hands-on experience in data storage, retrieval, and database development and web page development technology skills.

Audience: BAIS and MLIS students

Expectations: Prior to the start of class, the student should be able to:
- Use Desire2Learn including accessing news and contents, participating in discussion boards, submitting assignments through folders
- Access and use email, including sending and receiving email attachments
- Identify, access, and use web sites
- Access documents in Adobe Acrobat Reader
- Word process documents
- Access and create PowerPoint slides
- Access podcasts and videocasts
- Use a style manual.

Student Learning Objectives: Upon successful completion of this course, the student will be able to:
- Outline the history and current developments in information technology, including hardware, software, and Internet-based technologies.
- Outline the fundamentals of computer networks and the Internet.
- Identify functions of and utilize current online information tools.
- Discuss security, privacy, and other social issues inherent in information technology.
- Identify critical issues involved in managing and implementing information systems including technology, human, social, and organizational issues.
- Design and implement information technology solutions in networked environments.

Topics:
- History of computing that includes computer hardware and software
- Data as a resource, creation, use, storage, retrieval, and database design
- Network basics
- Internet history, technology, structure, emerging web-based technologies, and website creation
- Information systems analysis, design, and implementation
- Social issues in IT
- IT theory and implementation

Opportunities for Utilizing Relevant Technology: Use D2L communication technologies; use basic word processing; database design and creation; participate in online discussions; use electronic information finding aides and resources; use HTML to create web pages

Course Last Offered: 2012
Document prepared by: Tommy Snead, Spring 2013

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.