UNIVERSITY OF OKLAHOMA
SCHOOL OF LIBRARY AND INFORMATION STUDIES
UNDERGRADUATE STUDIES COMMITTEE

Meeting Minutes, November 19, 2009

Present: Stacy Zemke (Chair), June Abbas, Suliman Hawamdeh, Hanh Nguyen, John Hoffman

1. Review and adoption of agenda - approved

2. Review and adoption of minutes from October meeting – approved with edits from Abbas

3. Information Technology Major Requirements
   a. Begin review of courses for this category, reviewed preliminary list of courses pulled by Zemke, (see attached for notes on the courses – including courses to be further investigated)
   b. Brainstorming for other areas to investigate
      i. Information Architecture – should SLIS have a course?
      ii. Health/Medical Informatics, is it out there, at Tulsa or HSC? This program seems to be getting underway
      iii. Taxonomy in Biology or Zoology?
      iv. MIS courses – Zemke is not sure they will be willing to allow our students but will investigate

4. Other categories to consider
   a. We did not discuss at this meeting because of time

5. New Business
   a. No new business
   b. Zemke will email in Spring to set up a meeting based upon new schedules.
LIS 5653 - Preservation of Info Materials  
Prerequisite: 5033. Theory and practice of preservation and conservation of intellectual content and physical artifacts, including paper, microfilm, and digital records. Emphasis on planning and administering disaster prevention and recovery, preservation, and digitization programs. (Alt Sp, Irreg. Su)  
*Do not investigate*

KM 5673 - Knowledge Mgt Tools & Technol  
Prerequisite: KM/LIS 5033. An introduction to technologies necessary for knowledge management in a variety of environments; the course includes internet and web technologies, KM processes and corresponding technologies, collaboration tools, information and knowledge portals and KM readiness and IT infrastructure. It also addresses evaluation of and selection criteria for knowledge management tools. (Irreg.)  
  
  *Dr. Hawamdeh is willing to take undergraduates*

LIS 5990 Database Management  
This course introduces foundational concepts and theory as they relate to the design, implementation, and maintenance of databases. Students will learn managerial and technical aspects of databases in the information age. Topics include relational database design, flow and retrieval of information, data normalization, design methods, manipulation of data, and data security.  

**Course Objectives**  
Upon completion of this course, you will be expected to  
1. Chart the evolution of database management systems from legacy systems to the Web.  
2. Employ appropriately various terminologies in database systems.  
3. Design data modeling.  
4. Utilize database theory and relational database theory.  
5. Plan, design, create, and modify a relational database.  
6. Assess, design, create, and modify various database design methods.  
7. Retrieve databases.  
8. Evaluate and implement database security, backup, and recovery measures.  
9. Assess advantages of well-designed database systems.  

- *still in consideration*

LIS 5990 Digital Collections  
**Course Catalog Description: (from Martens)**  
Introduction to the creation and development of digital collections and to the technical requirements for storage and dissemination of digital materials. Topics will include creation, development, organization, maintenance, and use of digital collections. Students will explore a variety of techniques and technologies for digitizing materials, evaluate the strengths and limitations of current efforts in creating, collecting and organizing digital materials, and explore the different opportunities and challenges of digital libraries, repositories, and archives.  

**Course objectives:**  
To provide students with the opportunity to:  
1. Acquire an understanding of the fundamental principles and best practices relevant to creating, maintaining and evaluating digital collections.  
2. Examine and engage with digital collections relevant to a variety of information environments.  

**Learner objectives:**  
Upon successful completion of this course, a student should be able to:  
1. demonstrate understanding of the theories and practices relating to digital collections of different kinds  
2. identify major issues and current trends in creating and maintaining digital collections  
3. understand, evaluate, and use techniques, technologies and tools relevant to a variety of digital collection environments
4. develop a personal philosophy based on professional standards of best practice regarding the ethical use of digital collections

- still in consideration - Dr Abbas willing to take undergraduates in course

LIS 5990 Networks and Information Management Systems

Course Objectives
Upon completion of this course, you will be expected to
- Explain the concepts of LAN and WAN
- Identify diverse connection methods of LAN and WAN
- Discuss guided and unguided network mediums
- Discuss various LAN transmission devices and WAN connection methods
- Understand various concepts of network protocols and their advantages and disadvantages
- Apply various strategic design of WAN and network design
- Identify network security threats and propose appropriate treatments
- Apply network design methods for different environments (e.g., small vs. large organizational settings, knowledge intensive organizations vs. traditional organizations, etc.)

- still in consideration

Fine Arts

2643 Design Technology. Prerequisite: 15 hours of foundation courses; corequisite: 2633. Introduction to electronic tools, processes and techniques as they relate to visual communications. (F)

- Investigate further

2633 Visual Communications I. Prerequisite: 15 hours of foundation courses; corequisite: 2643. Introductory course in visual communication which focuses on nonverbal communication. Students are introduced to design research, theory and methods. This course explores the importance design plays in shaping meaning and interpretation through basic visual interaction. (F)

- Investigate further

3643 Digital Design. Prerequisite: 3633, 3663; corequisite: 3653. Emphasis will be on exploring new directions in design communication, moving from the printed page to electronic media. Development of new strategies for interface, internet, and interactive design integrating words, images, animation, and sound. (F)

- Investigate further

2873 Video for the Artist I. Prerequisite: 15 hours of foundation coursework or permission of instructor. Emphasis on developing video production and post-production skills. Training exercises in studio and field production, camera work, lighting and sound. Instruction and practice in analog and digital editing. Exploration of digital media. Students will produce a number of short projects. (Irreg.)

- Investigate further

Journalism

4103 Mass Communication Technology (Slashlisted with 5103). Prerequisite: upper-division standing. An examination of new communication technologies and their impact on the mass communication industry and on society, in the framework of the information revolution. Topical areas include the electric revolution, print and broadcasting technologies, communication satellites and computers and their convergence, interactive communication systems, electronic age, and international impacts. No student may earn credit for both 4103 and 5103. (Sp)
Investigate further

Geography

2453 Introduction to Computer Mapping and Analysis. An introductory survey of computer applications in mapping and map analysis. Designed to provide fundamental concepts and techniques necessary for visual presentation, analysis, and interpretation of geographic data using desktop mapping technologies. The course covers the nature of geographic data, desktop mapping, and map analysis. (F)

Investigate further

4233 Digital Imaging Processing (slashlisted with 5233). Prerequisite: 4133/5133 or permission of instructor. Theory and techniques for computer processing (DIP) of digital earth resources satellite imagery and incorporation into geographic information systems. (Sp)

Investigate further

4353 Introduction to Geospatial Information Technologies. Prerequisite: junior standing or permission of instructor. Overview of theories, applications, and practices of modern geospatial information technologies, including global positioning systems (GPS), remote sensing (RS), and geographic information systems (GIS). Course includes lectures, discussions, interactive and hands-on computer exercises, field projects, and site visits to OU research centers, local governments, and private geospatial information technologies companies. (Su)

4453 Geographic Information Systems (Slashlisted with 5453). Prerequisite: junior standing or permission of instructor. An introduction to the nature and applications of geographic information systems (GIS) including the categories of geographic data, data input, data models, spatial analysis, output, and the uses of GIS in socio-economic and environmental studies. No student may receive credit for both 4453 and 5453. (F, Sp)

4553 GIS Applications (Slashlisted with 5553). Prerequisite: 4453. Emphasizes technical and application practices in geographic information systems (GIS). Through weekly exercises and two projects, students will gain experience with applications and utilities of Geographic Information Systems, and learn how to plan and implement a GIS project. No student may earn credit for both 4553 and 5553. Laboratory (Irreg.)

Computer Science

1313 Programming for Nonmajors. Prerequisite: Mathematics 1523 or equivalent. Introduction to the design and implementation of computer programs. Emphasis on problem solving. (F, Sp)

Investigate further

3053 Human Computer Interaction. Prerequisite: 2413. An introduction to human-computer interaction and graphical user interfaces. Topics include: principles of human-computer interaction, human cognitive abilities, interface analysis and design, window systems, and social implications of computing. Current interface programming tools will be described and used. Oral presentations are required for some assignments. (F, Sp)

Investigate further

Industrial Engineering

2311 Computer Aided Design and Graphics Laboratory for Industrial Engineers. Corequisite: 2303. Provides students with a basic understanding of technical graphics communication and computer-aided design for industrial engineering applications. By using
computer-aided design/drafting software, solidworks/autocad, students will learn basic principles of engineering graphics and geometric modeling to assist in design problem visualization and planning. (Sp)
*Investigate further*

Architecture – Note, met with Architecture department, will not be able to accommodate any extra students till moved into their new building.

**1012 Computers in Architecture.** An introduction to the application of computers to many facets of architecture and related design disciplines, with emphasis on programming and computer graphics. Laboratory (F, Sp)

**3013 Architecture for Non-Majors.** Prerequisite: junior standing. An introduction of basic principles of architecture for the non-architect. Understanding of the qualities and characteristics of a well-designed architectural environment. Not open to architecture majors. (F, Sp) [IV- AF]

**4013 Workplace CAD.** Prerequisite: junior standing or permission of the instructor. Comprised of a series of projects that explore workplace CAD issues and build knowledge in this area. Use of AutoCAD 2008 with a secondary introduction to AutoCAD Architecture 2008 and Revit Architecture 2008 is emphasized. (F, Sp)

**CNS 1212 - Computers in Construction**
An introductory course providing the student with basic computer application knowledge. Familiarizes student with current applications of spreadsheet, presentation, and AutoCad software for use in the construction industry. (Sp)

**I D 2763 - Computer Applications in I D**
Prerequisite: Interior Design major or permission. Use of computer-aided design and its role in interior design professional practice. Applications to demonstrate design process and problem-solving solutions in two- and three-dimensional representation and modelling. (F, Su)

**I D 3223 - Advanced Computer Applications**
Prerequisite: Permission of the instructor. Computer graphics, three-dimensional computer modelling, animation, rendering and programming to provide representation strategies for interior design problem-solving and presentation. (Sp, Su)