

**University of Oklahoma  
School of Library and Information Studies.**

**LIS 4003 – Information Systems and Networks**

Thursdays: 4:30 – 7:10 pm

**Instructor:**

Stacy Zemke, MA.

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**Office Hours** – Wednesdays, from 1:30 to 4:00pm and by appointment

**Required Text:**

- Stephen D. Burd – Systems Architecture, 5<sup>th</sup> Ed. ISBN: 10619216921

**I. Course Description:** Management of information technology; fundamental issues in operations and services associated with networked, digital resources; computers and communications in the digital age; storage and retrieval of text, images, and sound; understanding the use and users of networked information. (from catalog)

**II. Course Objectives:**

Upon successful completion of this course, the student will be able to:

- Demonstrate the basics of design and development of information technology
- Demonstrate the fundamentals of computer networking technology
- Identify key issues in managing information technology
- Identify security, privacy, and other social issues inherent in information technology
- Design and implement basic web pages
- Design and implement a simple database in Microsoft Access

**III. Course Methods:**

- Lecture and discussion
- Hands-on projects
- In class group interaction

**IV. Grading Criteria:** For each assignment, you will be graded based on your fulfillment of that assignment. The general grading criteria for each assignment is as follows -

- **A: exceeded expectations**, assignment work above what is required, superior effort, organization and presentation.
- **B: met all expectations** as specified for the assignment in a professional manner
- **C: met minimum assignment** requirements
- **D: did not meet minimum** requirements but shows **evidence** of being able to complete the assignment
- **F: did not meet minimum** requirements for the assignment.

## V. Course Evaluation:

- No late assignments will be accepted without **prior** permission from the instructor.
- **4 Quizzes**
  - Consisting of MC, TF, Fill in the blank, definitions and essay questions. (10 points each)
- **ERD project**
  - Creating an ERD for a specific set of information (20 points)
- **HTML project**
  - Creating a 5 page website by coding your own HTML (20 points)
- **Database project**
  - Creating a database with MS Access. (20 points)

## VI. Weekly Topics

- WEEK 1 – August 23rd
  - Course Introduction
  - Information - what is it and how does it move?
- WEEK 2 – August 30<sup>th</sup>
  - Systems Architecture
  - **Read *Burd***; Introduction, Chapter 1 and 2
- WEEK 3 – September 6th
  - Systems Analysis
  - **Read *Burd***; Chapter 14.
  - **Quiz 1**
- WEEK 4 – September 13th
  - Systems Analysis, (Cont)
- WEEK 5 – September 20th
  - Data and Information
  - **Read *Burd***; Chapter 3
  - **ERD Assignment Due**
- WEEK 6 – September 27th
  - Processors, Technology and Architecture
  - **Read *Burd***; Chapter 4
  - **Quiz 2**
- WEEK 7 – October 4th
  - Data Storage and Transfer
  - **Read *Burd***; Chapter 5, 6, 7

- WEEK 8 – October 11th
  - Operating Systems
  - **Read Burd**; Chapter 11
- WEEK 9 – October 18th
  - Applications Software
  - **Read Burd**; Chapter 10
  - **Quiz 3**
- WEEK 10 – October 25th
  - Database design
  - **Read Burd**; Chapter 12
- WEEK 11 – November 1st
  - Microsoft Access
- WEEK 12 – November 8th
  - Networks
  - **Read Burd**; Chapters, 8 and 9
  - **MS Access assignment due**
- WEEK 13 – November 15th
  - Distributed Information Systems
  - **Read Burd**; Chapter 13
  - **Quiz 4**
- WEEK 14 – November 22nd
  - Thanksgiving Holiday – no class
- WEEK 15 – November 29th
  - Internet review and HTML
- WEEK 16 – December 6<sup>th</sup> - FINAL
  - Future of Information Systems
  - Careers
  - **HTML Assignment Due**

## VI. RELATED POLICIES

- **Grades of Incomplete (I)**

The University has strict conditions under which a student is given an incomplete in a regularly scheduled, letter-graded course. A grade of Incomplete (I) will be given only for a justifiable reason (due to unavoidable circumstances, not lack of planning on the student's part) and only if the student is passing the course. Incompletes are designed for students who cannot complete the LAST 10% to 30% of the required assignments, generally only the final exam or a last written assignment.

**It is the responsibility of the student to request a grade of Incomplete (I) and to meet with the instructor as early as possible to determine and document the requirements for completing the course.** Prior to requesting an Incomplete (I), students are urged to consult with their academic advisors.

Any incomplete granted must be removed by the deadline specified by the instructor. The time limit set for removal of an incomplete will take into account the circumstances of the situation but cannot exceed one (1) calendar year.

Check the current OU Academic Calendar for Spring 06, available at <http://www.ou.edu/admrec/spring2006calendar.htm>, for deadlines for dropping/withdrawing from classes.

- **Academic Calendar.**  
The University academic calendar is available at <http://admissions.ou.edu/calendar.html>