

Syllabus for LSIS 4010 (DE) – Information Systems in Organizations

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The role of information systems in organizations relates to organizational structure and information flow. The objective of this course is to introduce the nature of information systems in organizations including systems design and management, communication within and between organizations, knowledge management, and the strategic use of information technology. Particular emphasis will be given to the role of the information professional and the processes by which organizations recognize their information needs and act to resolve them.

Grading will be based on:

- 25% - Research Paper, 5-7+ pages
- 25% - Take-home Exam and MidTerm
- 25% - E-Commerce Web Design
- 20% - Exercises and Quizzes
- 5% - Participation (Online Discussion Forum) and Extra Credit

Textbook: Alter, Steven. (2002) Information Systems: Foundation of E-Business. Prentice Hall: Upper Saddle River, NJ. The 4th ed. is ISBN 0-13-061773-3.

Other readings will be explained. To communicate, we will use email and Blackboard: (Fall05) 4010DE - Introduction to Information Systems. Check it weekly. SEND assignments to the Digital Drop Box. (Do NOT just ADD a file if you want it graded.) Use this naming scheme for sending assignments electronically: sde4010<your last name><description of assignment> . For example, sde4010SmithQuiz1

SCHEDULE (Assignments and Reading) Week of:

Aug 22 - Purchase Textbook. Use email. Describe Self in Forum 1 on Blackboard. Topic: Moving Toward E-Business as Usual (Ch. 1) **Quiz 1** (Ch. 1) **Due: ASAP when you get your textbook.**

Aug 29- Topic: Human and Ethical Issues. READING: Chapter 7. Skip to this chapter as preparation for Research Paper Issues Discussion Forum participation. *Distribute **Degree Plan** worksheet.*

Sept 6 - (*Note: Labor Day holiday is Sept. 5*) Open "Current Issues" Discussion Board Forum. Begin new Topics: Understanding Systems from a Business Viewpoint and Business Processes. READ: Ch 2.

Sept 12- Continue Topics: Understanding Systems from a Business Viewpoint and Business Processes. READINGS: Ch. 3. Distribute **Research Paper** Assignment.

Sept 19 - Assignments: Proposed **Topic for Research** due. Take Blackboard **Quiz 2** on Chapters 2-3. (Optional) Attend NCCU ASIST Chapter meeting on campus:(American Society for Information Science and Technology). 5:30pm reception and speaker (Judee Lonnee) at 6pm. *Due: **Degree Plan** worksheet.*

Sept 26 - Open "Business Perspectives" Discussion Board Forum. Begin new Topics: Types of Information Systems and Databases. READING: Ch. 4 and 5. Discuss in email to instructor plans for Research Papers.

Oct 3 - Begin new Topic: Customer and Product. READING: Chapter 6. Complete **Exercise** on databases. Distribute **E-Commerce Webpage Design** Assignment.

Oct 10 - Begin new Topics: Networking and Telecommunications. READINGS: Ch. 8 and 10. Open Discussion Board Forum on webpage assignment. **Midterm Exam (open book).**

Oct 17 - Begin new Topic: Software, Programming, and Artificial Intelligence. READING: Ch.9. **Due: Thesis topic and 1 refereed source: optional outline for Research Paper** for instructor feedback.

Oct 24 - Begin new Topic: Information Systems Planning. READING: Chapter 11.

Oct 31 - Begin new Topics: Building and Maintaining IS, including Security and Control. READINGS: Ch. 12 and 13. (Note: ICKM and ASIST Conferences are Oct 26-Nov. 2 in Charlotte, NC.) **E-Commerce Web Page Project Plan (draft only) Due** for instructor feedback.

Nov 7 - Open "Facilities and History of SLIS, Curriculum, and Online Resources" Discussion Board Forum. Distribute Exam Review Sheet. *Exam is open book and cumulative from quizzes.* Take Blackboard **Quiz 3** on Ch 11-13.

Nov 14 - *Ideas or question? Drafts or outlines for E-Commerce Webpage Design Presentation?* Send email and docs to my Digital Drop Box.

Nov 21 - Thanksgiving week. Finish research and web-page design.

Nov 28 - **Due: Final Webpage Presentation and Handout.** (*Note: If not sending HTML code or link, sample code can be appendix or separate.*) Open last Discussion Board Forum on other students' Webpage Designs, Status, Issues, and Progress in Course (optional).

Dec 5 - **Take-home Final Exam (open book).**

Warning: if graduating this December, ALL work is due by Friday, Dec. 9!!!!

Dec 15 Thursday - **DUE: Individual Research Papers** and any leftover assignment. Please send all to Digital Drop Box (**No Later Than 5:00pm**).

GRADING SCALE (plus and minus notations preserved in my records, not NCCU or the SLIS)

98-100 – A+
95-97 – A
92-94 – A-
89-91 – B+
86-88 – B
83-85 – B-
70-82 – C
0 -69 – D

Late penalties: 5pts. per week (or per day for final assignments). Incompletes are NOT routinely allowed. (You can drop course as late as the last day of classes.)

DISABILITIES: Persons with disabilities will be fully included in this course. Let me know if you need any special accommodations in curriculum, instruction, or assessments to enable you to fully participate.

HONOR CODE: Because we use Blackboard, only meet once a week (or less), and much of your work is done on your own, the instructor depends on your honesty and integrity to do all the work assigned alone (unless a team is designated). **Please take seriously your signature on the pledge with quizzes or exams.** You are promising that you did the work without assistance from another student and without assisting any other student. As take-home exams indicate, you can use notes and textbooks, you can study with others, but you must alone answer questions and indicate the time(s) you worked on the exam.

Any violations will require a meeting with senior faculty and/or the Dean of the SLIS. The imposition of the penalty for academic dishonesty shall be made by the instructor responsible for assigning the final grade in the course. The penalty will be assessed in relation to the gravity of the offense, the type of academic exercise on which the offense occurred, and the weight of that exercise in the computation of the final grade.

ASSIGNMENTS

Web Page Project

The Web Page project is a major part of the class work for Information Systems (25% of final grade). Select a business process or organizational problem that is based on business principles (which you will want to reference from textbook or articles you read); develop/design a web page for customers/users. Output for the assignment is a written Project Plan, copy of HTML or XML source code (or PowerPoint Design, if appropriate), and a set of slides OR printed handouts for demo/presentation. NOTE: If you have problems with HTML, contact instructor. You may show design in Word or PowerPoint.

Remember: I will review a draft of your plan as interim feedback. I am available for you to consult. Please do not hesitate! I want these to be successful projects for you and your proposed "clients." (swainham@msn.com and 919-833-9028)

IF YOU CAN CONNECT WITH ANOTHER STUDENT AS A PARTNER, YOU MAY WORK AS A TEAM. (Optional)

Project Plan: Recommended Content

1. Introduction in "executive summary" style explaining highlights and purpose of web page.
2. Detailed description of Business View that your page supports and problem(s) it solves .
Note: the problem your web-based Information System solves is to be "discovered" with principle-based system analysis. Business views are concerned with business results, people and organizations, or technology and information.
3. Full explanation of work system as designed (models can be used as well as illustrations of the webpage). Who are the users? How does it work? Any new innovations? Whom did you test the interface with (or plan to test/practice)?
Note: A work system consists of 8 elements: customers, product/service, business process, participants, information, technology, context, and (as appropriate) infrastructure.

Final Written Project Plan and DEMO (slides and/or handout) due: **week of Dec 2.**

Grading based on a curve and the following criteria:

- completeness of plan - 25 points
- appropriateness of web page technology - 25 points
- clarity of design - 15 points
- effectiveness of demo and/or slides– 35 points

PRELIMINARY PROJECT INFORMATION AND PLAN

Web Page Name _____

Brief Description of Web-based system:

Research Paper

The assignment is to give you a chance to produce a paper (**7-10+ pages**) about current research in Information Science (IS). You will familiarize yourself with Information Systems issues, methods of investigation in IS, and theories and models used by information scientists.

Ideas include areas of study, such as knowledge management and information architecture. IS also studies user behavior and uses theories and models covering interactions, cognition, psychology, and human factors in research. In the field of study that includes search engines and meta-data analysis, there are statistical formulas and quantitative pattern analyses to evaluate. Computer-based technologies that are investigated in IS to improved data base administration and information systems include knowledge-based systems (expert systems), artificial intelligence, decision support systems, data mining tools, encryption/decryption, system security (access, anti-virus, etc.), networking (handheld, wireless applications, etc.) collaboration, and object-oriented programming.

Recommended approach is to (1) Find a topic YOU are interested in first. Then (2) find 2-3 sources of informations; at least one refereed scholarly paper or published book source (to be approved by me). See NC LIVE in searching, use librarians (Jackie Johnson in SLIS Library in Shepard, if available). And (3) state a thesis in terms of research variables, inductive or deductive analysis, and/or theory development.

Note: I don't want to wait until the end of the semester to give you feedback. I would like to hold a topic-ideas "conference" with you, if possible (meeting for office appointment or telephone). Communicate with me your preference. Write a status report for week of **Oct 17**. Include in the report: (1) Preliminary thesis statement and (2) approved source(s) in APA style (see ASIST Journal). Do not hesitate to ask me questions. (swainham@msn.com and 919-833-9028)

Thesis statement and 1-2 reference sources due September 19.
FINAL PAPER DUE by 5:00 pm on December 15.

Recommended Outline:

1. abstract (write last)
2. thesis statement
3. literature review (background on topic)
4. argument/discussion of research
5. conclusion
6. sources cited/bibliography

The research paper is worth 25% of the course grade. Grading based on a curve and criteria:

- Sophistication of thesis - 20 points
- Depth of Research - 25 points
- Logical Argument – 25points
- Clear Conclusion - 20 points
- Accuracy in Form – 10 points

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