INLS 382-001 FALL 2020 SYLLABUS

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As this is a fully online class, the standard means for communicating with the instructor is via email throughout the semester. However, Zoom meetings and phone calls can be scheduled as needed by appointment.

Overview

This course addresses systems analysis and design of computer based information systems. The goal of this course is to introduce key concepts, techniques, tools, methodologies, and the organizational, social and ethical impacts of systems analysis development and design activities. As rising Information Systems professionals (or scholars), "systems analysis" may be the best way to quickly describe your core professional skill set to folks at the holidays. Despite this, there are many systems analysts in the world who may not have ever referred to themselves as such. Understanding how to identify, name, analyze, and design changes to human and information systems, their impact on organizations and people is a central component of the work of any information professional, whether they are software developers or personnel managers. I hope that this course will change the way that you interact with the technical and non-technical systems that exert massive influence on our lived environment as you learn the thinking and analysis techniques for making systematic changes.

The details

Course: INLS 382-001

Semester: Fall 2020

Time: 8:00-9:15 a.m., Monday and Wednesday

Location: Sakai and Zoom

Zoom Meeting Room:

Textbook and readings: Required Texts (and Related Materials):

• Systems Analysis and Design by Dennis (7th Edition), Wixom and Roth, 2012, ISBN: 978-1-119-62654-1.https://www.wiley.com/en-us/Systems+Analysis+and+Design%2C+7th+Edition-p-9781119626541

• Additional readings views will be assigned throughout the semester.

•Other materials as assigned

• All course materials will be found on Sakai: https://sakai.unc.edu/portal/site/e10d5731-d76c-4835-a7ff-dc717027abe8

Office hours: I'm happy to schedule in-person meetings or video calls with reasonable notice. I work full-time for the University Libraries, but from home this semester, and can generally meet the next day or so.

Why I hope you'll find this useful (learning objectives)

After completing this course, you should be able to:

- Find that you have an improved understanding of the information systems development processes and methodologies related to systems development.
- You should have an increased awareness of how to understand user needs and capture user requirements.
- An increased understanding of the documents and reports required during the systems analysis and design process, project planning and management, as well as how to work together as an effective team.
    - Finally you should have insight into current information systems trends, and ethical issues, and the associated analysis, development and design issues associated with those trends.

Grading

Requirement	Portion of Grade
In-class quizzes (nearly every class; drop 3)	10%
Take Home quizzes (4; drop 1)	15%
Project Assignments (4)	40%
Class participation (Includes Homework)	15%
Final Exam	20%
Grades will be posted on Sakai	

Course Grade	Minimum %
A	95%
A-	90%
B+	87%
B-	83%
B	80%
C+	77%
C	73%
C-	70%
D+	67%
D	63%
F	Less than 63%

Assignments

Project assignments

In a traditional classroom or online setting where one is free to move throughout their communities without need to wear a mask or social distance or even potentially quarantine, a group project would be warranted. However given our current and potential situation I have decide to give, throughout the semester, (on Sakai) four mini-projects related to a system or organization.

Classroom activity

You should show up to Zoom class on time and stay until the end. You cannot participate in class if you do not attend class. You class participation grade may be the difference between a letter grade.

Given that this class is online, I will do my best to be understanding of technology or internet connection issues as they arise throughout the semester. All lectures will be recorded for review in the event you miss a class or have technology issues so you may not miss out on any covered materials.

Our classes will rely heavily on classroom discussion and Zoom breakout group activities. Each class we will spend a small amount of time on lecture materials (this will be covered in readings and pre-recorded lecture slides) and more time putting into practice what we learn through discussion of mini cases I will select for each session and group assignments to enforce what you've read. I expect you to find ways of enhancing your colleagues' course experience in some way.

In-Class quizzes

There will be an in-class quiz nearly every class using Sakai. To allow for mistakes and absences, you will be able to drop three quizzes. All quizzes and tests will be based on the course text only. No additional readings or material we cover outside of the textbook will be covered.

Take-home quizzes

There will be four at-home open book quizzes assigned during the semester. You will have two days to complete each one and can drop one. All quizzes and tests will be based on the course text only. No additional readings or material we cover outside of the textbook will be covered.

Final exam

The final will include a mix of questions (multiple choice, essay, etc.). The final will be based on the course text only. No additional readings or material we cover outside of the textbook will be covered.

Policies

Attendance is expected. Please let me know if you expect to miss class.

Assignments are due by the start of class on the due dates.

Late work will have 10 percentage points subtracted from the grade for each 24-hour period it is overdue. In other words, the maximum possible grade for an assignment submitted between 1 and 24 hours overdue is 90%, and then 80% for the next 24 hours, and so on. Please talk to me if you are struggling to submit your work on time.

Honor code

The University of North Carolina at Chapel Hill has had a student-led honor system for over 100 years. Academic integrity is at the heart of Carolina and we all are responsible for upholding the ideals of honor and integrity. The student-led Honor System is responsible for adjudicating any suspected violations of the Honor Code and all suspected instances of academic dishonesty will be reported to the honor system. Information, including your responsibilities as a student is outlined in the Instrument of Student Judicial Governance. Your full participation and observance of the Honor Code is expected.

All academic work in this course, including homework, quizzes, and exams, is to be your own work, unless otherwise specifically provided. It is your responsibility if you have any doubt to confirm whether or not collaboration is permitted.

Campus Code

It shall be the further responsibility of every student to abide by the philosophy of the code; namely, to conduct oneself so as not to significantly impair the welfare or the educational opportunities of others in the University community.

Faculty Responsibilities

I have a role to play as well, and I will fulfill these responsibilities.

Zoom Classroom Code of Conduct

We are a learning community and should treat each other with the respect we would expect of others. Constructive disagreement is encouraged, but please attempt to balance critiques with efforts to build and maintain a welcoming classroom community. I will try my best to do the same, but I welcome any suggestions for improvements or even general statements of discomfort.

Our classroom is dedicated to providing a harassment-free course experience for everyone, regardless of gender, gender identity and expression, age, sexual orientation, disability, physical appearance, body size, race, ethnicity, religion (or lack thereof), or technology choices. Harassment includes offensive verbal comments related to gender, gender identity and expression, age, sexual orientation, disability, physical appearance, body size, race, ethnicity, religion, technology choices, sexual images in public spaces, deliberate intimidation, stalking, following, harassing photography or recording, sustained disruption of talks or other events, inappropriate physical contact, and unwelcome sexual attention. We do not tolerate harassment of course participants in any form. Sexual language and imagery is not appropriate for any course setting or products.

If you are being harassed, notice that someone else is being harassed, or have any other concerns, please contact your instructor or another SILS faculty member immediately.

Adapted from http://confcodeofconduct.com/.

Valuing, Recognizing, and Encouraging Diversity

Promoting and valuing diversity in the classroom enriches learning and broadens everyone's perspectives. Inclusion and tolerance can lead to respect for others and their opinions and is critical to maximizing the learning that we expect in this program. This may challenge our own closely held ideas and personal comfort zones. The results, however, create a sense of community and promote excellence in the learning environment.

Diversity includes consideration of (1) the variety of life experiences others have had, and (2) factors related to "diversity of presence," including, among others, age, economic circumstances, ethnic identification, disability, gender, geographic origin, race, religion, sexual orientation, social position.

This class will follow principles of inclusion, respect, tolerance, and acceptance that support the values of diversity.

Taken from the UNC Department of Health Policy and Management's HPM Diversity Syllabus Statement 2011.

Accommodations

The University of North Carolina at Chapel Hill facilitates the implementation of reasonable accommodations, including resources and services, for students with disabilities, chronic medical conditions, a temporary disability, or pregnancy complications resulting in difficulties with accessing learning opportunities.

All accommodations are coordinated through the Accessibility Resources and Service Office. In the first instance please visit their website http://accessibility.unc.edu, Tel: 919-962-8300 or Email: accessibility@unc.edu. A student is welcome to initiate the registration process at any time, however, the process can take time. ARS is particularly busy in the run-up to Finals and during Finals. Students submitting Self-ID forms at that time are unlikely to have accommodations set until the following semester.

Please contact ARS as early in the semester as possible.

Syllabus Changes

The instructor reserves the right to make changes as necessary to this syllabus. If changes are necessitated during the term of the course, the instructor will immediately notify students of such changes both by individual email communication and posting both notification and nature of change(s) on Sakai.

Schedule

The schedule and readings are subject to change. Please check the schedule each week.

Week 1: The Systems Analyst and Information Systems Development

08/10/20

- Course orientation and Introductions
- Readings:
    - Chapter 1 - The Systems Analyst and Information Systems Development

08/12/20

- Readings
    - Chapter 1 Continued.

Week 2: Project Selection and Management

08/17/20

- Readings
    - Chapter 2 - Project Selection and Management.

08/19/2020

- Readings
  - Chapter 2 continued.

- Recommended
  - In order to grasp the

Week 3: Requirements Determination

08/24/20

- Readings
  - Chapter 3 – Requirements Determination.

08/26/20

- Readings
  - Chapter 3 continued.

Week 4: Use Case Analysis

08/31/20

- Readings
  - Chapter 4 – Use Case Analysis.

09/02/20

- Readings
  - Chapter 4 continued.

Week 5: Process Modeling

09/07/20

- Readings
  - Chapter 5 – Process Modeling.

09/09/20

- Readings
  - Process Modeling.

Week 6: Data Modeling

09/14/20

- Readings
  - Chapter 6 – Data Modeling

09/16/20

- Readings
  - Chapter 6 continued

Week 7: Moving into Design

09/21/20

- Readings
  - Chapter 7 – Moving into Design

09/23/20

- Readings
    - Chapter 7 continued

Week 8: Architecture Design

09/28/20

- Readings
    - Chapter 8 – Architecture Design

09/30/20

- Readings
    - Chapter 8 - Continued

Week 9: User Interface Design

10/05/20

- Readings
    - Chapter 9 – User Interface Design

10/07/20

- Readings
    - Chapter 9 - Continued

Week 10: Program Design

10/12/20

- Readings
    - Chapter 10 – Program Design

10/14/20

- Readings

Week 11: Data Storage Design

10/19/20

- Readings
    - Chapter 11 – Data Storage Design

10/21/20

- Readings
    - Chapter 11 continued

Week 12: Moving into implementation

10/26/20

- Readings
    - Chapter 12 – Moving into implementation

10/28/20

- Readings
    - Chapter 12 continued

Week 13: Transition to the new system

11/02/20

- Readings
    - Chapter 13 – Transition to the new system

11/04/20

- Readings
    - Chapter 13 continued

Week 14: What does done look like? What did I mess up? What went well? How can I tell the difference?

11/09/20

- Readings
    - Beyer and Holtzblatt, chapter 20 – Putting it into place
    - Allspaw, Blameless PostMortems and a Just Culture

11/11/20

Week 15: Semester Review and Final

11/16/20

- Semester Review

11/18/20

- Final Exam