Syllabus: Course INFSYS 6850
Information Systems Design

About this course:

Required texts:

1. Modern Systems Analysis and Design - Hoffer, George, and Valacich: Prentice Hall (the edition used for Systems Analysis INFSYS 6840 can be used for the class).

Or any other book that you may have used in Systems Analysis class. Some students have used Systems Analysis and Design – Scott Tilley: Cengage (latest ed).

Course Description

INFSYS 6850 Information Systems Design: 3 semester hours
Prerequisites: INFSYS 6840 and INFSYS 6845: This course builds upon the analysis techniques presented in INFSYS 6840. It requires the student, usually working in a group to design and implement a system in a real-world environment. Advanced design concepts are presented to support the students in their project work.

Time Requirements:
If this course were offered on campus, you’d be in class 4 hours/week plus travel time. This is an active course that nominally requires 3-6 hours of your time each week, though with the time it takes you to read the required materials, watch the videos, and complete the assignments, you need to plan to spend a minimum of 6-10 hours every week on activities related to this course.

Goals of the Course: After completing this course students should be able to discuss and demonstrate knowledge of the following:

• Diagnose and analyze the business context of an enterprise and propose an information systems based work system solution for it.
• Identify feasiably, and context, scope, and cost estimate for a proposed system
• Document decomposition of a system using analytical process hierarchy
• Entity-relationship modeling and normalized design for a system, CRUD Matrix
• Overall logical systems design with specifications for architecture, infrastructure, software, and staffing for a work system
• Design of system outputs and inputs
• Design of system user-interface
• Documenting business process diagrams as event process chain
• Design of systems procedures, coding schemes, user documentation, training programs

How to Succeed in This Course

You have to work diligently in the course and apply your IS knowledge from this and prior courses the selected/given design problem. We have 7 main milestones for students to work on design and present to the class. Discussion within groups and across provide opportunities to interact and ask questions to develop better understanding and learning of the material.
Instructional Technology: The following tools will support the instructional strategies for this course: PowerPoints, Videos, Discussion Boards, LucidChart, Word, and Excel.

Assessment/Grading

Grade Composition: Generally, grades will be determined based on the overall weighted percent score achieved by the students, with 90% + score for grade A, 80% + for B, 70% + for C, and 60% + for D, and Rest F. Instructor retains the right to adjust the grading scheme as needed. Weighted average will be used to determine the overall score as per the table included below.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Percent of Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test</td>
<td>50%</td>
</tr>
<tr>
<td>Assignment</td>
<td>50%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

Grading Scale:

<table>
<thead>
<tr>
<th>A=4</th>
<th>B=3</th>
<th>C=2</th>
<th>D=1</th>
<th>F=0</th>
</tr>
</thead>
<tbody>
<tr>
<td>FN=No participation</td>
<td>D=Delayed</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Please see the assignment grading and submission policies. Students are expected to read/view and complete the assignments on their own or with their group as specified. Tutor, if available, can help explain the concepts and answer questions, and provide general guidance, but cannot do the assignment for a student. Students should view/read the related material before seeking help of the tutor. Students will lose 50% marks for a late submission, if permitted, and lose 100% marks after the solution has been presented past the due date. We will grade the assignment and discussion submission usually in a week following the due date.

Course Schedule – Please refer to Home Page.

Course Policies

Course Instructions

1. All written reports must be of professional quality. Only typewritten and suitably bound reports will be accepted. The reports must be turned in on the due date before any presentations are made. After a presentation has been made by one of the teams, no points will be given for a late report. However, reports for all milestones must be turned in even if zero points are assigned for being late. If any report is not completed by a group, an automatic failing grade will be assigned. If any group fails to make a scheduled presentation at any time during the semester, an automatic failing grade will be assigned to all members of the group, with the exception that a withdrawn grade may be permitted in the first four weeks.

2. Initially students will receive the same grade as their team. At the end of the semester students will be asked to provide feedback on the effort put in by other members of their team. This feedback will
be used to reduce the points assigned to a student, if her/his effort is reported to be less than 100%.
However, there would be no upward revision in the grade assigned to a student.

Participation (expectations)

- It is vitally important that our classroom environment promote the respectful exchange of ideas. This entails being sensitive to the views and beliefs expressed during discussions whether in class or online. Please speak with me before recording any class activity. It is a violation of University of Missouri policy to distribute such recordings without my authorization and the permission of others who are recorded.
- It is vitally important that our classroom environment promote the respectful exchange of ideas. This entails being sensitive to the views and beliefs expressed during discussions whether in class or online. Please speak with me before recording any class activity. It is a violation of University of Missouri policy to distribute such recordings without my authorization and the permission of others who are recorded.
- Your success in this course will heavily depend on your ability to communicate, engage and participate in all course activities. Successful completion of this course requires that a student keep up with all assignments, coursework and discussions. Timely presentation of milestones is a very important part of this course.

If you are unable to participate in the scheduled class activity or discussions, you must notify the instructor within the week of that class module or discussion. An unexcused failure to engage or participate with the class will be counted as an absence; unexcused absences may result in failure. The instructor reserves the right to make judgment to accept and/or make–up assignments missed because of failed participation in the course activities.

Attendance Policies
- Students are expected to be present in class.

Academic Integrity/Plagiarism

- You are responsible for being attentive to and observant of University policies about academic honesty as stated in the University’s Campus Policies and Code of Student Conduct found in the UMSL Bulletin.
- Academic dishonesty is a serious offense that may lead to probation, suspension, or dismissal from the University. One form of academic dishonesty is plagiarism – the use of an author’s ideas, statements, or approaches without crediting the source. Academic dishonesty also includes such acts as cheating by using any unauthorized sources of information and providing or receiving unauthorized assistance on any form of academic work or engaging in any behavior specifically prohibited by the faculty member (e.g., copying someone else’s answers on tests and quizzes). Unauthorized possession or distribution of academic materials is another type of academic misconduct. It includes the unauthorized use, selling or purchasing of examinations or other academic work, using or stealing another student’s work, unauthorized entry or use of material in a computer file, and using information from or possessing exams that an instructor did not authorize for release to students. Falsification is any untruth, either verbal or written, in one’s academic work.
Facilitation is knowingly assisting another to commit an act of academic misconduct. **Plagiarism, cheating, and falsification are not acceptable.**

- All instances of academic dishonesty will be reported to the Office of Academic Affairs who will determine whether you will appear before the Student Conduct Committee for possible administrative sanctions such as dismissal from the university. The instructor will make an academic judgment about the student’s grade on that work in this course. The campus process regarding academic dishonesty is described in the “Policies” section of the Academic Affairs website.
- **Follow the AMA style for your reports.**
- Plagiarism is the use of another person’s words or ideas without crediting that person.
- Plagiarism and cheating will not be tolerated and may lead to failure on an assignment, in the class, and dismissal from the University, per the UMSL academic dishonesty policy.
- Students are responsible for being attentive to and observant of campus policies about academic honesty as stated in the University’s Student Conduct Code.
- To avoid accusations of academic dishonesty, please submit all written work to the Turnitin System before finalizing what you submit for evaluation. Check information about The Writing Center on UMSL’s website.

**Title IX Policies**

In adherence to the policies of Title IX and to promote a safe and secure educational environment, it is strongly recommended statements similar to those below be added to your course syllabus:

- **Mandatory Reporting:** Under Title IX, all UMSL faculty, staff, and administrators (with limited exception) are obligated to report any incidents of sexual harassment, sexual misconduct, sexual assault, or gender discrimination to the Student Affairs office and/or other University officials. This ensures that all parties are protected from further abuses and that victim(s) are supported by trained counselors and professionals. Note: There are several offices at UMSL (e.g., Counseling Services, Health Services, Community Psychological Service, Center for Trauma Recovery, and Student Social Services) whose staff are exempt from Title IX mandated reporting, when the information is learned in the course of a confidential communication.

- **Content Advisory:** The course requires good logical skills and knowledge of materials from the prerequisite courses. Some of the concepts require abstract thinking and ability of apply college level algebra.

**Student Resources**

**Access, Disability and Communication**

Your academic success is important. If you have a documented disability that may have an impact upon your work in this class, please contact Disability Access Services (DAS) immediately. Students must provide documentation of their disability to the office of Disability Access Services in order to receive official University services and accommodations. The staff is available to answer questions regarding accommodations or assist you in your pursuit of accommodations. Information about your disability is confidential. Once DAS reviews your medical documentation, they will provide you with the information and
Syllabus: Course INFSYS 6850

Information Systems Design

steps to inform me about the accommodations to which you are entitled. Your accommodations will begin as soon as we discuss your approved accommodations.

- 144 Millennium Student Center (MSC)
- Phone: (314) 516-6554
- Email: Tara Cramer, cramert@umsl.edu
- Website: http://www.umsl.edu/services/disability/

Office of International Students and Scholar Services
If you have difficulty communicating in English with the instructor of this course, contact ISS.

- 362 Social Sciences & Business Building (SSB)
- Phone: (314) 516-5229
- Email: iss@umsl.edu
- Website: http://www.umsl.edu/~intelstu/contact.html

Student Enrichment and Achievement
SEA provides comprehensive support and intervention strategies that support your road to graduation!

- 107 Lucas Hall
- Phone: (314) 516-5300
- Email: umslsea@umsl.edu
- Website: https://www.umsl.edu/services/sea/

Office of Multicultural Student Services (MSS) and the University Tutoring Center (UTC)
MSS provides comprehensive student retention services to diverse student populations; through their tutoring center, the MSS offers comprehensive tutoring services free to students at UMSL.

- 225 Millennium Student Center (MSC)
- Phone: (314) 516-6807
- Email: multicultural@umsl.edu
- Website: https://www.umsl.edu/~mcraa/index.html

More Student Resources are on the Learning Resource Lab website.

Technical Support

Canvas
If you have problems logging into your online course, or an issue within the course site, please contact the

Technology Support Center:

- Phone: (314) 516-6034
- Email: helpdesk@umsl.edu
- Website: http://www.umsl.edu/technology/tsc/

If you are having difficulty with a technology tool in Canvas, consider visiting the Canvas Student Guides, which has overviews of each tool and tutorials on how to use them.
Syllabus: Course INFSYS 6850

Information Systems Design

If you continue to experience problems or just have questions, you can also contact the Learning Resource Lab:

- **Phone:** (314) 516-6704
- **Email:** lrl@umsl.edu
- **Website:** http://www.umsl.edu/technology/lrl/

VoiceThread

- **Online Contact Form:** https://voicethread.com/support/contact/
- **Website:** https://voicethread.com/howto/

Academic Support

Math Academic Center (Math Lab)
The Math Academic Center offers free individual assistance on a walk-in basis to students needing help with any mathematics from basic math through calculus or any course involving mathematical skills.

- **222 Social Sciences and Business Building (SSB)**
- **Website:** http://www.umsl.edu/mathcs/math-academic-center/