INFSYS 4850
Information Systems Design
Spring 2017

Course Instructor: Dr. Joseph Rottman
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Office Hours:
By appointment

Note: When communicating with me, please be sure to indicate your team number.

Course Description: System design, implementation, and methods of systems installation and operation are presented. A system development project is required. This course builds on the skills learned in BA 3810 (Information Systems Analysis) and has at its core the design, development and implementation of an information system.

Prerequisites: INFSYS 3845, INFSYS 3810, one of either INFSYS 3815 or INFSYS 3816, and a minimum COBA GPA of 2.3.

Text: Hoffer, J.A., J.F. George and J.S. Valacich, *Modern Systems Analysis and Design*, Fifth or Sixth edition

Grades:	10% Group lectures/exercises and active class participation	200 Points
	20% Final Term Paper	400 Points
	70% Group IS Design Project	1400 Points
	Total	**2000 Points**

Expectations:
- Students are expected to actively contribute to class discussions and participate in exercises.
- Late assignments will not be accepted except in the case of a documented medical emergency.
- ***Please set all phones to vibrate each class period.***

Academic Honesty: Students are expected to adhere to the University of Missouri's policy on Academic Honesty.

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.

Group IS Design Project:

- During the first weeks of the semester, teams will be formed with the goal to diffuse the level of IS skill as well as the exposure to possible design project opportunities. The selection of a "problem" to solve by the creation of a new system as well as the tools used for the creation will be the responsibility of the team. The system that you analyzed in Systems Analysis is "fair game" for this class since the design of an information system depends on an accurate analysis of the system needs. It is expected that the analysis tools learned in Systems Analysis will be utilized.
- Since the design project will be the result of a group effort (all group members will initially receive the same grade), you will have the opportunity to evaluate your team members (at least twice during the semester). Note: the team's assessment of an individual's performance will affect (favorably or adversely) that individual's grade.
- The projects will be judged on the ability of the application and documentation to meet the needs of the user as detailed in the Baseline Project Plan, the Statement of Work and the System Proposal.
- Presentations (both oral and written) are expected to be of professional quality. This includes format, correctness and style.
- Expect to spend <u>considerable</u> time outside of class designing and testing your system.
- Additional information will be distributed later in the semester concerning the projects.

Tentative Class Schedule

Approximate Week	Topic	Text Chapters
1	Introduction, Syllabus and Team Selection	N/A
2 – 4	Review of Analysis	1 –8
5 – 7	Forms, Reports, Interfaces and Dialogues -First Group Presentations	10 - 11
8 – 9	Data Modeling and Databases	9
10	Implementation and Status Reports	13
11	Group Status Reports and Presentations	N/A
12	Maintenance and Diffusion	14
13 - 15	Preliminary Presentations and Status Reports Term Papers Due	N/A
16	Final Presentations	N/A

Final "Exam" Schedule

Tuesday, May 9 2017
~7:45 PM – 9:45 PM