

ISM 3113: Systems Analysis and Decision Making

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Office: Remote Virtual (Spring 2023)
Hours: Tuesday & Thursday, 3-5 pm.

Course Objectives:

Description as Stated in Course Catalog: The course presents concepts, procedures, and tools needed to build computer-based information systems. The objective is to develop project management, data collection, analysis, design, testing and documentation skills.

Learning Outcomes: After completing this course, you should be

- Familiar with the systems development life cycle
- Able to define and analyze the requirements for a prospective IS system
- Able to perform a Use Case Analysis
- Familiar with process modeling and the applications of data flow diagrams
- Familiar with data modeling and the applications of Entity Relationships diagrams
- Familiar with Architecture Design, User Interface Design, Program Design, and Data Storage design
- Familiar with various aspects of the implementation phase such as testing and documentation
- Able to devise a migration plan for the transition to a new system

Course Materials and Assignments:

Textbook:

Systems Analysis & Design, 6th Ed., Dennis, Wixom, and Roth, 2015. ISBN: 9781118897843.

Individual Assignments:

There will be seven assignments total for this course, each one covering topics from two chapters in the textbook.

Midterm Exams:

There will be two exams based on the topics you've learned in class. The questions on these exams should be roughly similar to those on the assignments. The exams are open notes, open books, open google... just don't copy any answers verbatim from another student's paper and we'll be square.

Final Paper:

The final paper will be a 3-5 page document outlining a proposal for a new system. Included in this proposal will be the business need that is being fulfilled, the system's requirements, and aspects of its design. Feel free to include diagrams and suggestions regarding the methodology that you think is the best fit for the project. This project may be completed individually or in a group of up to three people. The expectations will be the same regardless.

Grading:

- 70% Assignments (10% per assignment)
- 20% midterms (10% per midterm)
- 10% final paper

My Groundbreaking Lateness Policy: Late work receives a zero grade until submitted. For each day an assignment is late, 1% will be deducted from the assignment grade. This, however, does not apply in the case of the final paper, which will be due right before my grades are due, so there's not much I can do for you there.

Grading scale: The following table explains the final letter grades:

A	>92
A-	89-92
B+	85-89
B	82-85
B-	79-82
C+	75-79
C	72-75
C-	69-72
D	59-69
F	<59

Academic Integrity

Academic integrity is the foundation of the University of South Florida's commitment to the academic honesty and personal integrity of its university community. Academic integrity is grounded in certain fundamental values, which include honesty, respect, and fairness. Broadly defined, academic honesty is the completion of all academic endeavors and claims of scholarly knowledge as representative of one's own efforts. The process for faculty reporting of academic misconduct, as well as the student's options for appeal, are outlined in detail in [USF Regulation 3.027](#).

Academic Grievance Procedure

The purpose of these procedures is to provide all undergraduate and graduate students taking courses at the University of South Florida an opportunity for objective review of facts and events pertinent to the cause of the academic grievance. An "academic grievance" is a claim that a specific academic decision or action that affects that student's academic record or status has violated published policies and procedures, or has been applied to the grievant in a manner different from that used for other students.

Disability Access

Students with disabilities are responsible for registering with Students Accessibility Services (SAS) (SVC 1133) in order to receive academic accommodations. SAS encourages students to notify instructors of accommodation needs at least five (5) business days prior to needing the accommodation. A letter from SAS must accompany this request. Please visit the [Student Accessibility Services website](#) for more information.

Disruption to Academic Progress

Disruptive students in the academic setting hinder the educational process. Disruption of the academic process ([USF Regulation 3.025](#)) is defined as the act, words, or general conduct of a student in a classroom or other academic environment which in the reasonable estimation of the instructor: (a) directs attention away from the academic matters at hand, such as noisy distractions, persistent, disrespectful or abusive interruption of lecture, exam, academic discussion, or general University operations, or (b) presents a danger to the health, safety, or well-being of self or other persons.

Food and Housing Insecurity

We recognize that student facing financial difficulty in securing a stable place to live and/or in affording sufficient groceries may be at risk of these financial issues affecting their performance in classes. Students with these needs are urged to contact Feed-A-Bull (feedabull@usf.edu or [their website](#)), or Student Outreach and Support (socat@usf.edu or [their website](#)).

Intellectual Freedom and Viewpoint Diversity Act (House Bill 233)

Preliminary Guidance Document

Students may, without prior notice, record video or audio of a class lecture for a class in which the student is enrolled for their own personal, educational use. A class lecture is defined as a formal or methodical oral presentation as part of a university course intended to present information or teach enrolled students about a particular subject. Recording class activities other than class lectures, including but not limited to lab sessions, student presentations (whether individually or part of a group), class discussion, clinical presentations such as patient history, academic exercises involving student participation, test or examination administrations, field trips, private conversations between students in the class or between a student and the faculty member is prohibited. Recordings may not be used as a substitute for class participation and class attendance and may not be published or shared without the written consent of the faculty member. Failure to adhere to these requirements may constitute a violation of the [USF Student Conduct Code](#).

Religious Observances

All students have a right to expect that the University will reasonably accommodate their religious observances, practices and beliefs ([USF Policy 10-045](#)). The University of South Florida, through its faculty, will make every attempt to schedule required classes and examinations in view of customarily observed religious holidays of those religious groups or communities comprising USF's constituency. Students are expected to attend classes and take examinations as determined by the university. No student shall be compelled to attend class or sit for an examination at a day or time prohibited by his or her religious belief. However, students should review the course requirements and meeting days and times to avoid foreseeable conflicts, as excessive absences in a given term may prevent a student from completing the academic requirements of a specific course. Students are expected to notify their instructors at the beginning of each academic term if they intend to be absent for a class or announced examination, in accordance with this Policy.

Sexual Misconduct / Sexual Harassment

USF is committed to providing an environment free from sex discrimination, including sexual harassment and sexual violence ([USF Policy 0-004](#)). The USF Center for Victim Advocacy is a confidential resource where you can talk about incidents of sexual harassment and gender-based crimes including sexual assault, stalking, and domestic/relationship violence. This confidential resource can help you without having to report your situation to the Title IX Office unless you request that they make a report. Contact the [USF Center for Victim Advocacy](#): 813-974-5757. Please be aware that in compliance with Title IX and under the USF Policy, educators must report incidents of sexual harassment and gender-based crimes including sexual assault, stalking, and domestic/relationship violence. If you disclose any of these situations personally to an educator, he or she is required to report it to the Title IX Office. For more information about Title IX, a full list of resources, or to report incidents of sexual harassment, sexual violence, relationship violence or stalking visit: usf.edu/title-ix

Statement of Academic Continuity

In the event of an emergency, it may be necessary for USF to suspend normal operations. During this time, USF may opt to continue delivery of instruction through methods that include, but are not limited to: Canvas, Teams, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor the Canvas for each class for course-specific communication, and the USF, College, and Department websites, emails, and [ALERTUSF](#) messages for important general information ([USF Policy 6-010](#)).