

INFS 622 - Information Systems Analysis and Design (Spring 2020, Section 001, CRN 10809)

Class Meetings: Monday, 4:30-7:10 PM, in Art and Design Building, Room AB L 008

Instructor: Marcel Katz

Office Hours: Date and time TBD. Also, students are welcome to contact me by email from their GMU email accounts.

Office Hours Location: Room 5309, Nguyen Engineering Building.

Email: mkatz7@gmu.edu

We will use the **Blackboard System** for all postings of reading assignments, slides, homework assignments, class discussions, group projects, and email communication. Please send email from your GMU email account only.

Both the GMU Honor Code Policy: <https://oai.gmu.edu/mason-honor-code/>, and the Computer Science Department Policy: <https://cs.gmu.edu/resources/honor-code/> are in effect.

Course Description:

Integration of computing technologies, systems analysis, system design practices, and management criteria in the design of large-scale information management and decision-support systems. Includes cases, computing lab.

Course Objectives:

INFS 622 is a core-course for the MS in Information Systems program. Students will be introduced to concepts related to software project lifecycle activities, which include project inception, planning, analysis and design, along with current methods and tools. The students will learn how to apply critical thinking skills to system analysis and design. These concepts and skills will be reinforced with in-class activities and a group term project. Each group will select a case study for the term project.

Recommended Prerequisites:

INFS 501, 515, 519 or equivalent, or permission of instructor.

Textbooks:

Required: Systems Analysis and Design, 7th Edition by A. Dennis, B. H. Wixom, and R. M. Roth; Wiley.

Required: Software Modeling and Design, by Hassan Gomaa, Cambridge University Press, 2011.

Recommended: UML Distilled: A Brief Guide to the Standard Object Modeling Language, Martin Fowler 3rd Edition.

Grading Policy

Your final grade will be determined by your performance as follows:

Grade Components and Percentages	
Homework Assignments and Quizzes	25
Class Participation	10
Group Term Project	25
Individual Term Project Presentation	15
Final Exam	25

1. Homework and classroom assignments are to be submitted on time via Blackboard.
Missed assignments cannot be made up without prior arrangements. There will be a 10% penalty per day for late submissions unless otherwise specified.
2. The assignments are to be done individually, and the honor codes mentioned above are in effect.
3. The term project is meant to be a group research and learning experience.
4. There will be a grade for the group's performance as well as a grade for each person's performance in presenting their portion of the research.

Grading Scale

Grade	Numerical range	Quality Points	Graduate courses
A+	97-100	4	Satisfactory/Passing
A	92-96	4	Satisfactory/Passing
A-	90-91	3.67	Satisfactory/Passing
B+	88-89	3.33	Satisfactory/Passing
B	82-87	3	Satisfactory/Passing
B-	80-81	2.67	Satisfactory (*) /Passing
C	70-79	2.0	Satisfactory/Passing
F	0-69	0.0	Satisfactory/Passing

(*) Although a B- is a satisfactory grade for a course, students must maintain a 3.00 average in their degree program and present a 3.00 GPA on the courses listed on the graduation application.

The Grading Scale above is based on Section "AP.3.2 Graduate Grading" in the GMU Catalog (<https://catalog.gmu.edu/policies/academic/grading/>)

Note: This syllabus will be updated periodically.