




INFORMATION SYSTEMS MILIEUX (67-250)
Course Description and Syllabus

Instructor:		Term:	Fall 20
Office:		Class Meeting Days:	Tuesdays and Thursdays
Email:		Class Meeting Time:	3:00 – 4:20 PM
Office Hours:	By appointment	Class Location:	HH B131

COURSE DESCRIPTION

Information systems (IS) are changing work practices, reshaping organizations, transforming cultures, and giving new meaning to the ways we see the world. This course is designed to help students understand the role of IS in the enterprise and the means by which these systems are created, utilized and maintained. The course will focus on enterprise information architecture including the components of enterprise strategy, business, application, information, and infrastructure layers. This course provides not only a framework for understanding information systems, but also a language to identify their dynamic complexities and interdependencies.

Topics include: enterprise systems and integration, gaining competitive advantage with IS, business process reengineering and change management, structured approaches to the creation of IS, project management, eCommerce, mobile computing and the digital economy, front-end web development, database design and modeling, decisions support systems, information security and privacy, and the implications of IS for people, enterprises and society.

This course will use a combination of lectures, class discussions, reading assignments, case studies, group projects, and "hands-on" work.

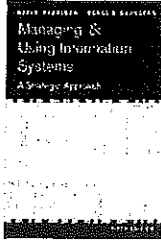
OBJECTIVES AND LEARNING OUTCOMES

Upon successful completion of the course, students will have gained an understanding of information systems and associated topics. Specific learning objectives are:

- Identify the fundamental concepts and key issues of the information systems discipline and the role of information in the enterprise.
- Describe various information systems within an enterprise view including the enterprise strategy, business, application, information, and infrastructure layers.
- Discuss and analyze linkages between business / organization process and information strategy and how enterprises can achieve competitive advantage with strategic deployments of IS.
- Analyze enterprise case studies that focus on issues of the strategic value of IS in order to evaluate costs, benefits, and risks of projects and determine the effectiveness of different applications or technologies in a particular context.
- Apply structured approaches and techniques to design and build a front-end web prototype.
- Design and build a database and analyze information for enterprise decision-making.
- Demonstrate your responsibilities and contributions in a team-based environment based upon pre-negotiated group timelines, roles and deliverables.

COURSE MATERIALS

Assigned reading materials should be read prior to class. Class lectures and discussions will proceed with supplemental and advanced topics, which could be difficult to understand unless you have read the assigned material. Readings are listed in the schedule section. All necessary updates and/or changes to the course will be reflected in Blackboard.



Required Text

Managing and Using Information Systems: A Strategic Approach
By: Keri E. Pearlson and Carol S. Saunders
ISBN-13: 978-1118281734, Fifth Edition, 2012, Wiley Publishing

Required Readings

Additional required readings will be assigned during the semester.
These readings will consist of electronic PDFs articles (available in Blackboard).

COURSE EVALUATION

In order to successfully pass the course, students will be expected to complete the activities listed below. Weights indicate the contribution to the final course grade.

Attendance, Homework Assignments, In-Class Activities and Quizzes (15%): This component of the final grade is based upon your contribution to the class in the form of: attendance, homework assignments, class attendance, activities, and quizzes. Activities not completed during course time will be due at the beginning of the following class. Any number of unannounced quizzes may be given during the semester at the beginning of class or at the end of class. A quiz may cover material from the assigned reading, any previous class period, or the current class period. In-class activities and quizzes cannot be made up.

Case Studies (10%): This component of the final grade is based on reading and critiquing two business case studies (worth 5% each).

Development Projects (20%): This component of the final grade is based upon two development projects – a front-end web development project and a database analysis and design project (worth 10% each).

Term Project (15%): This component of the final grade is based upon a group project in which you will work in small teams of 4 to 5 people to address a business case study featuring the application of an emerging technology to solve a business problem or create a new business model (worth 15%).

Examinations (40%): This component of the final grade is based upon performance on two individual examinations. Both exams are mandatory. The examination will cover both reading and class discussions and will be closed book. The exams will be non-cumulative.

Other Items: Other factors, such as class and group participation and punctual, regular attendance may be used, at the professor's discretion, to make adjustments to final grades in borderline cases. The instructor will assume that you are well prepared for class each week and will feel free to call upon you.

Grading Scale: The following criteria provide guaranteed letter grades if a student's overall scores fall within the stated range:

Grading Scale	Interpretation
90 - 100% A	Excellent, exceeds average understanding as evidenced in course work and goes well beyond the basics.
80 - 89% B	Far above average, fully meets average understanding as evidenced in course work and fully understands the basics and can deal with concepts somewhat beyond that level.
70 - 79% C	Average, meets minimum expectations and satisfies course requirements.
60 - 69% D	Below average, meets many minimum expectations and satisfies all or most course requirements.
0 - 59% R	Fails to meet minimum expectations in understanding and course work as evidenced by performance and submission of graded elements.

COURSE AND UNIVERSITY POLICIES

Attendance and Preparation for Class: You are expected to attend all scheduled class sessions with your reading and supplementary materials. Readings are to be completed prior to class.

Participation in Class Discussions: Class participation is a very important part of the learning process in this course. Although not explicitly graded, you will be evaluated on the **QUALITY** of your contributions and insights. Quality comments possess one or more of the following properties:

- Offers a different and unique, but relevant, perspective
- Contributes to moving the discussion and analysis forward
- Builds on other comments
- Transcends the "I feel" syndrome. That is, it includes some evidence, argumentation, or recognition of inherent tradeoffs. In other words, the comment demonstrates some reflective thinking.

Laptops and handheld devices can **ONLY** be used for classroom purposes when directed by the instructor. Misuse of laptops or handheld devices will be considered a breach of discipline and appropriate action will be initiated by the instructor.

Absences: Absence from class is inexcusable and will result in a reduction in your performance evaluation. In the event you have an excused absence from class (e.g. a job interview) you must contact the instructor ahead of time. In this situation, get a "classroom buddy" who is willing to fill you in on the class that you missed.

Assignments: In both the professional and academic world, you must meet deadlines. In this class, all projects are due at the beginning of class on the dates indicated on the syllabus, unless otherwise stated. Assignments handed in or emailed after class has begun will be considered late.

Late Assignments: Most assignments will be discussed in class on the due date, therefore late assignments will not receive credit. It is expected that all work will be submitted on time. In a few cases and announced in class, assignments will be assessed a 10% penalty each day they are late. The late penalty increases linearly with lateness: each day after the due date, an additional 10% is subtracted from the score. So, if you submit a perfect assignment a day late, you earn 100% - 10% = 90%; two days late, you earn 100% - 20% = 80% and so forth. *No credit will be given for assignments turned in more than five days past the due date.*

Equipment failure is not an acceptable reason for turning in an assignment late. You should always make a backup of your files. You should make sure you print out your work early enough that you can find an alternate location to print, if necessary.

Exams: Appropriate documentary evidence certified by the Division of Student Affairs is required for missing a critical activity or due date. Exams missed due to an excused absence (arranged with the professor ahead of time) must be made up within one week for full credit or no credit will be given. Documentation proving the excused absence will be required before or during the time the exam is made up. Exams missed due to an unexcused absence cannot be made up.

Academic Integrity: CMU students are expected to follow the ethical guidelines and cheating and plagiarism policies defined in the *The Word*. Please read it carefully! You will be held accountable for violations of these guidelines and policies that come to my attention.

Cheating and plagiarism are defined in the CMU Student Handbook, and include (1) submitting work that is not your own for papers, assignments, or exams; (2) copying ideas, words, or graphics from a published or unpublished source without appropriate citation; (3) submitting or using falsified data; and (4) submitting the same work for credit in two courses without prior consent of both instructors. Any student who is found cheating or plagiarizing on any work for this course will receive no credit for that work. Further action will also be taken if necessary.

While I encourage you to be helpful to your classmates, you must understand that the work you turn in for evaluation or credit must be your own. You are welcome to talk with other students about general course content, requirements, and technology issues. You are not welcome to offer, or to ask for, substantial, material assistance to, or from, other students in completing specific aspects of graded assignments for individual credit. If there is any doubt in your mind about a particular situation, ask yourself this question: "How would I feel if I observed another student or students engaging in this particular behavior?" Any student who turns in work for credit that is identical or similar beyond coincidence, to that of another student (current or past) may face appropriate disciplinary action at the department, college, or university level.

Content copied from the Internet and reproduced verbatim in assignments or other submissions will be treated as plagiarized material, even if the source is cited. More information at: <http://www.cmu.edu/policies/documents/Academic%20Integrity.htm>.

An Invitation to Students with Learning Disabilities: Carnegie Mellon University is committed to providing reasonable accommodations for all persons with disabilities. Students with disabilities who need accommodations in this course must contact the professor at the beginning of the semester to discuss needed accommodations. Students who need accommodations must be registered with Disability Resources at 102 Whitfield Hall 412.268.2013, or with Larry Powell, Equal Opportunity Services Manager, at: lpowell@andrew.cmu.edu.

Contacting the Instructor: The easiest and most reliable way to get in touch with me is by e-mail. Feel free to send me e-mail if you have a question related to the course. I will respond as soon as I can but not always instantaneously. Besides that, you are also welcome to stop by my office any time to discuss the class. Please understand that I may not be free to talk to you at that time, but, in that event, we can make an appointment for a later time that is mutually convenient.