

ISM 4133 - ADVANCED SYSTEMS ANALYSIS & DESIGN

(Section: 001)

Course #	ISM 4133-001(3 credits)	Term	Spring 2012
Instructor	Lawrence Feidelman	Phone	561-297-2532
Office	FL 341A	Email	lfeidelm@fau.edu
Office Hours	M: 5:30 PM—6:45 PM T: 9:30AM-10:45 AM W:5:30PM—6:45 PM		
Meeting Time	M: 7:10 PM – 10:00 PM	Room	FL 427

COURSE DESCRIPTION

Life cycle of information processing systems, planning and control of projects, documentation, formal techniques and use of generalized software packages. Writing Across Curriculum (Gordon Rule)

COURSE OBJECTIVE

This course presents the System Development Life Cycle (SDLC) of analyzing and designing a business information system. This will include the techniques and tools used by systems developers to plan, control, analyze, design, manage, construct, select software packages and maintain information systems. The course will take the format of lectures, class discussions, technical presentations by students and work on a real world business project. Teamwork is heavily emphasized in the course. This allows the students to develop their interpersonal, conflict resolution and management skills in a real world project environment.

ISM 4133 is a Gordon Rule course, requiring the students to demonstrate verbal and written communication skills

At the end of this course, students are expected to able to:

1. Identify the phases of the information system analysis & design life cycles and explain what needs to be accomplished to complete each phase and proceed to the next phase
2. Demonstrate the techniques and tools required to accomplish the tasks of analysis & design
3. Explain the issues of global information system management, development and maintenance
4. Explain alternative methodologies to SDLC
5. Develop, as part of a team, a specific application to solve an information system problem or opportunity for a real world company
6. Demonstrate the ability to research a new information technology and present an analysis to the class

REQUIRED TEXTBOOK

Essentials of Systems Analysis and Design, Fifth Edition, Valachich, George, Hoffer, 2012, Prentice Hall, ISBN: 978-0-13-706-711-4

RECOMMENDED READING

The World is Flat, Thomas Friedman, 2007, Farrar, Straus and Giroux

PREREQUISITES FOR THIS COURSE

9 completed MIS major or Minor Credits

GRADING

EXAM # 1	15%
EXAM # 2	15%
FINAL EXAM	15%
TEAM PROJECT	17%
TEAM PARTICIPATION	5%
PROJECT PRESENTATION	5%
CURRENT AWARENESS	10%
DISCUSSIONS /ASSIGNMENTS	8%
QUIZZES(10)	10%

All MIS majors must complete this course with a grade of "C" or better.

Grading Structure

A = 93 -100	C+ = 77 - 79
A- = 90 - 92	C = 73 - 76
B+ = 87 - 89	C- = 70 - 72
B = 83 - 86	D+ = 67 - 69
B- = 80 - 82	D = 63 - 66
	D- = 60 - 62

GROUP PROJECTS/INDIVIDUAL ASSIGNMENTS

Groups of 4 will conduct a systems analysis project consisting of analysis and design of a system application in the real world, as part of the Avalon Consulting Company. Teamwork is critical. In this case, you will have the ability to select team membership and a real-world organization project by January 23rd.

Each team will perform the four phases of SDLC and be graded as a team and individually as well. While actual project implementation is not required, you are encouraged to implement the system and you will receive a bonus for this endeavor. Individual projects are not allowed. A team may decide to dismiss a member from the group before the final course drop date for lack of participation or poor performance. This must be the consensus of all the other members of the group and must be communicated to the affected student and then to the instructor in writing, followed by a meeting with all the members of the group. A formal written report is to be handed in by the stated due date and an oral presentation will be done on the stipulated date by each group. Each member of the group **must** participate in the team project work. **Each student is expected to attend all team meetings..** Oral presentations will be graded based on clarity, creativity and originality.

Individual assignments are due at the beginning of class unless otherwise specified. You may turn in an assignment by handing it in at class or e-mailing the file attachment to the following address: lfeidelm@fau.edu. Be sure to put your name, assignment number, and course number in the e-mail. A late penalty of 15% will be assessed for any assignment turned in after the time it was due, up to and including the day following the due date. No assignments will be accepted beyond one week after the due date.

Current awareness presentations will consist of discussions on a current information technology topic that you have researched for this class. You should inform me as to what topic you plan to cover, at least a week in advance. Each current awareness discussion will consist of an oral and written presentation (graded 50% for oral and 50% for written). The oral presentation should be no more than fifteen minutes. There will be four to five presentations each evening. Students may volunteer or be randomly selected. In addition to the presentation, you will prepare a five page report on the topic and place the report on the Discussion Board. Both oral and written parts must be completed before grading. Presentation information may be included in the exam.

Topics of interest include:

1. Security
2. Financial integrity
3. Web services
4. Telecommunications
5. Artificial intelligence
6. CASE tools
7. Expert Systems
8. Database management system
9. Outsourcing
10. IT management
11. Terrorism/Disaster Planning
12. Customer Service
13. Enterprise application
14. Wireless technology
15. New uses of the Internet
16. Software for the Analyst

Your oral presentation will be graded based on:

1. How clearly you explain the topic

2. Depth of your discussion
3. interest generated
4. how you identify points that are of relevance to the systems analyst, CIO, IS consultant, etc
5. Answer questions regarding the topic

Your written report will be graded against a rubric

DISCUSSIONS

You will be required to participate in on-line discussions concerning selected current information system topics. You will be graded on your ability to apply knowledge gained in the course. These discussions will require you to create an initial thread and to respond to your classmate's threads.

EXAMS

There are three exams in this course. The exams will cover material from lectures, current topics discussed, case studies discussed in class as well as the assigned readings from the textbook. Obviously, class attendance is necessary in order to achieve the maximum grade from the course. These exams will include multiple choice questions, and essay type questions.

If you are unable to take any exam due to an emergency, you must inform me of that fact on or earlier than the day of the exam and arrange for a make-up exam before the graded exam is returned to the class. If you require a make-up exam, you must document your excuse (e.g., a letter from a physician written on the physician's letterhead or a police report). Make-ups will be given only during a regular class period or during the instructor's office hours. In no event will a make-up be given after the graded exam is returned to the class, which is usually the class period after the exam is scheduled,

QUIZZES

There will be ten (10) quizzes during the semester. These quizzes may be in class multiple choices or take home assignments.

INCOMPLETE GRADE

University policy states that an incomplete grade "I" may be given only if a student currently has a passing grade on the course. An incomplete is meant only for students who are unable to complete the course due to severe hardships, beyond their control. In any such situations, documentary evidence of such hardships will be needed before considering an "I" grade

CLASSROOM ETTIQUETTE POLICY

Inappropriate behavior distracts other students and interferes with their learning experience. Inappropriate behavior may include arriving late, leaving early, talking, surfing the net, etc. Rude and inappropriate behavior will not be tolerated. Points will be deducted from the final grade of a student who chooses to repeatedly distract others. In particularly egregious cases, the student will be permanently removed from the class. University policy states that cellular telephones, pagers, beepers and other personal communication devices must be disabled during class sessions.

CODE OF ACADEMIC IRREGULARITY POLICY STATEMENT

Students at Florida Atlantic University are expected to maintain the highest ethical standards.

Academic dishonesty is considered a serious breach of these ethical standards because it interferes with the university mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see the College of Business Academic Honesty Policy at

<http://business.fau.edu/undergraduate/current-students/academic-policies/academic-honesty-policy/index.aspx>.

DISABILITY POLICY STATEMENT

In compliance with the Americans with Disabilities Act (ADA), students who require special accommodation due to a disability to properly execute course work must register with the Office for Students with Disabilities (OSD) – in Boca Raton, SU 133 (561-297-3880); in Davie, MOD 1 (954-236-1222); in Jupiter, SR 117 (561-799-8585); or at the Treasure Coast, CO 128 (772-873-3305) – and follow all OSD procedures.

If you are recognized as a student with learning disability by the university, please provide the necessary documentation as soon as possible (no later than the first two weeks of the semester) so that I can make arrangements for you to take tests, etc., according to the prescribed procedures. If you have any other special needs please let me know. If you don't inform me of your special status and arrange for the paperwork with the Office Students with Disabilities, you will be given the same status as the rest of the students in class until you have provided the required information and the Office Students with Disabilities. Grades will not be changed retroactively based on any information provided late.

For further information, please see http://www.fau.edu/eop/ada/ada_policy.php

OTHER REQUIREMENTS

COMPUTER AND INTERNET ACCESS

This course is Blackboard-assisted, and many activities, such as file distribution, emails, assignment submission, and announcements between classes, are taking place exclusively through Blackboard. Therefore, students are expected to have access to computer, Internet, and Microsoft Office 2010 for this course. If you do not have your own, computers are available to all FAU students in the FAU Open Labs (<http://www.ecs.fau.edu/labs/open/>). In addition, if you need to transfer files between your home computer and the lab, you should furnish your own means, such as thumb drive (recommended), CD-ROM, or online storage.

E-MAILS

Students are required to have email account for this course, and it is your responsibility to ensure that your email address listed on Blackboard is the one that you check regularly (you can always change it on Blackboard or set up auto forward or POP download if not). All course-related email should contain "ISM 3011" and your section time in the subject field. Include your name in the body of the message, since email addresses do not always identify the sender. Use proper salutations and signatures; use the same type of language and manners that you would use in a formal, business setting. Failure to use proper "Netiquette" may result in your e-mail being unanswered.

TENTATIVE CALENDAR

<p>1/9</p> <p>Getting to know each other Syllabus distributed and explained Project Teams Introduction to the course Systems Analysis and Design career System concepts The Systems Development Environment (chapter 1) .</p>	<p>1/16</p> <p>MARTIN LUTHER KING HOLIDAY----NO CLASS!</p> <p>Work on team and project selection</p> <p>MS PROJECT, VISIO installation)</p>	<p>1/23</p> <p>Managing the Information Systems Project(Chapter 3)</p> <p>TEAM AND PROJECT SELECTION FINALIZED</p>
<p>1/30</p> <p>Systems Planning and Selection (chapter 4)</p>	<p>2/6</p> <p>Determining Systems Requirements (chapter 5)</p> <p>Review for Exam # 1</p>	<p>2/13</p> <p>EXAM #1 (Chapters 1, 3, 4, and 5)</p> <p>Structuring Systems Requirements:Process Modeling (chapter 6)</p> <p>PHASE I DUE</p>
<p>2/20</p> <p>Structuring Systems Requirements: Process Modeling(continued)</p>	<p>2/27</p> <p>Structuring Systems Requirements: Conceptual Data Modeling (chapter 7)</p>	<p>3/12</p> <p>CASE TOOLS</p> <p>The Sources of Software (chapter 2)</p> <p>Review for Exam # 2</p>
<p>3/19</p> <p>EXAM # 2 (Chapters 2, 6, 7, CASE)</p> <p>Global Information System</p> <p>PHASE II DUE</p>	<p>3/26</p> <p>Designing The Human Interface (chapter 8)</p>	<p>4/2</p> <p>Designing Databases (chapter 9)</p>
<p>4/9</p> <p>Systems Implementation and Operation (chapter 10)</p> <p>Information Security</p> <p>PHASE III DUE</p>	<p>4/16</p> <p>Project Presentations</p>	<p>4/23</p> <p>Project Presentations</p> <p>Review for the final exam</p> <p>PHASE IV DUE</p>
<p>4/30</p> <p>FINAL EXAM (Chapters 8, 9, 10, Global Information System, Information Security)</p>		