

CIS 4261 Syllabus (Fall 2009)

Information Systems Analysis and Design

1 General Information

- Lecturer – Dr. Brahim Medjahed.
- When – Monday and Wednesday, 11:30pm - 1:20pm.
- Where – SB (Science Building) 12.
- Text Book: Systems Analysis and Design, by Kendall & Kendall, 7th edition, Prentice Hall (ISBN: 0-13-2240858).
- Office Hours – Monday and Wednesday from 1:30pm to 4:00pm or by appointment. If you need an appointment, please send an email at least 24 hours before the requested time.
- Office – CIS 242.
- E-mail – brahim@umd.umich.edu
- Phone – (313) 583 6449.
- Course Information – Course material and information will be posted on VLT (VERY IMPORTANT).

2 Current Catalog Description

This course is an introduction to the principles of information systems analysis and design and their role in business organizations. Topics include information systems strategy and planning, ethical issues in information systems, system modeling, clean-room system engineering, domain ontology, UML, Enterprise Unified Process, e-business, and supply-chain management, deployment and support. Participation in a major design project is a requirement for this course (4.000 Credit Hours, 4.000 Lecture hours).

3 Course Objective

Students will be able to design and analyze organizations' information systems. The course provides a conceptual framework for the development of effective information systems. It introduces the principles of information systems as well as the methodologies and techniques for designing and analyzing information systems.

4 Course Policy

- Lecture notes and announcements will be posted on VLT. Please make sure you have a valid UMD email address in your VLT profile.
- All students must respect the *statement on academic conduct* (please, see Section 9).

- Please read you UMD email regularly for announcements.
- You are expected to return your assignments at the due date (beginning of the lecture). Late assignments (project, homework, etc.) will be penalized 10% off for each late day.
- If there are mistakes in grading your homework assignment, project, or exam, please contact me within a week after the return of your work. The entire work will be graded again and the new grade will replace the original one, whether the new grade is higher or lower than the original grade.

5 Main Topics

- Interviewing.
- Data Flow Diagrams.
- Data Dictionaries.
- Preparing Process Specifications and Structured Decisions.
- Preparing the Systems Proposal.
- Designing Databases.
- Designing Effective Output and Input.
- Designing User Interfaces.
- Designing Accurate Data Entry Procedures.
- Implementing and maintaining the System.

6 Grading

- Homework Assignments: 15%
 1. Homework 1: 8%
 2. Homework 2: 7%
- Midterm Exam: 25%
- Projects: 35%
 1. Project 1: 15%
 2. Project 2: 20%
- Final Exam: 25%

7 Important Dates

- Homework 1
 - Posted: 10/19/2009
 - Due: 10/26/2009
- Midterm: Last Wednesday of October (10/28/2009) from 11h30am to 1:20pm
- Homework 2
 - Posted: 12/02/2009
 - Due: 12/09/2009
- Project 1
 - Posted: 09/23/2009
 - Due: Last Wednesday of October (10/28/2009)
- Project 2
 - Posted: First Monday of November (11/02/2009)
 - Due: Last Day of CIS 4261 Class (12/14/2009)
- Last CIS 4261 Day of Class: Monday, December 14th, 2009.
- Final Exam: Monday December 21st 2009, 11:30am - 2:30pm (to be confirmed).

8 Disability Resource Services

The University will make reasonable accommodations for persons with documented disabilities. Students need to register with Disability Resource Services (DRS) every semester they are enrolled for classes. DRS is located in Counseling & Support Services, 2157 UC. To be assured of having services when they are needed, students should register no later than the end of the add/drop deadline of each term.

9 Statement on Academic Conduct

The University of Michigan - Dearborn values academic honesty and integrity. Each student has a responsibility to understand, accept, and comply with the university's standards of academic conduct as set forth by the Code of Academic Conduct, as well as policies established by the schools and colleges. Cheating, collusion, misconduct, fabrication, and plagiarism are considered serious offenses. Violations will not be tolerated and may result in penalties up to and including expulsion from the University.