CIS 4261 Syllabus (Fall 2010)
Information Systems Analysis and Design

1 General Information
- Lecturer – Dr. Brahim Medjahed.
- When – Tuesday and Thursday, 11:30pm - 1:20pm.
- Where – Professional Education Center 1410.
- Text Book: Systems Analysis and Design, by Kendall & Kendall, Prentice Hall. Additional readings will be provided throughout the semester.
- Office Hours – Tuesday and Thursday from 8:45am to 11:45pm or by appointment. If you need an appointment, please send an email at least 24 hours before the requested time.
- 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 your 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 5% 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
• Overview of SDLC
• Techniques for Gathering Information
• Data Flow Diagrams
• Preparing process Specification
• Designing accurate data entry procedures
• Distributed information systems
• Data integration
• XML, DTDs, and XML Schema
• Web Services
• Workflow and business process management
• Data warehousing
• Data mining

6 Grading
• Homework Assignments: 15%
  1. Homework 1: 7.5%
  2. Homework 2: 7.5%
• Midterm Exam: 25%
• Project: 30%
• Final Exam: 30%
7 Important Dates

- Homework 1
  - Posted: 10/12/2010
  - Due: 10/19/2010

- Midterm: 10/26/2010 from 11h30am to 1:20pm

- Homework 2
  - Posted: 12/07/2010
  - Due: 12/14/2010

- Project
  - Posted: 09/24/2010 NEW: 09/28/2010
  - Due: 12/14/2010 NEW: 12/21/2010

- Final Exam: Thursday December 16th 2010, 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.