

CIS 4262 Syllabus (Winter 2009)

Information Systems Analysis and Design II

1 General Information

- Instructor – Dr. Brahim Medjahed.
- When – Tuesday and Thursday, 01:40pm - 3:30pm.
- Where – ELB 173.
- Office Hours – Tuesday and Thursday from 3:30pm to 5:00pm; Wednesday from 3pm to 6pm; 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@umich.edu
- Phone – (313) 583 6449.
- Course URL – <http://www.engin.umd.umich.edu/~brahim/CIS4262/CIS4262.htm>
- Since we will cover various advanced topics in this class, we do not have a specific textbook to work on. For each chapter, I will provide documentation relevant to the topics covered in that chapter.
- Lecture notes, projects, and course material and information will be posted on VLT. Please register on VLT with the key 4262W09.

2 Current Catalog Description

This course is a continuation of CIS 4261. It provides students with breadth and depth in advanced information systems. Topics include Web-based information systems, ontology, information retrieval, system integration, B2B (Business-to-Business) e-commerce, Web services, data mining, and data warehousing. Participation in a major design project is a requirement for this course (4.000 Credit Hours).

3 Grading

- Project 1: 10%
- Project 2: 15%
- Project 3: 25%
- Midterm: 25%
- Final Exam: 25%

4 Course Policy

- 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 (before midnight). 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

- XML
- DTDs and XML Schema
- Information Systems and the World Wide Web
- Semantic Web, Ontology, and RDF
- Data Warehousing
- Data Mining
- Information Retrieval
- Workflow

6 Projects

We will have three (3) projects in this class. Details about the projects will be posted on VLT. All projects are individual. At the end of the project, each student will have to: (i) submit a report describing the design of his/her project; and (ii) present a project demo showing the major features of his/her implementation.

7 Important Dates

- Project 1
 1. Posted: January 20th, 2009
 2. Due: February 10th, 2009
- Project 2

1. Posted: February 10th, 2009
2. Due: March 10th, 2009

- Project 3

1. Posted: March 10th, 2009
2. Due: April 23rd, 2009

- Midterm: February 26th, 2009 (01:40pm - 3:30pm)
- Final Exam: Thursday April 30, 2009 (11:30am - 2:30pm)

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 Counselling & 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.