CS 5513 - ADVANCED DATABASE MANAGEMENT
SPRING 2013
SECTION 1: 3:00 PM - 4:15 PM (Tuesday, Thursday), Room 130 DEH

Instructor:
Dr. Le Gruenwald
Office, Phone and Email: 233 DEH, 405-325-3498, ggruenwald@ou.edu
Office Hours: 4:30 PM-5:30 PM Tuesday, Thursday

Textbooks:
Reading Lists on Current Topics in Databases (provided by the instructor)

Prerequisite:
CS 4513 (Database Management) or Equivalent

Software:
Oracle and open source software

Course Website:
http://learn.ou.edu

Course Coverage:
This course will examine current applied and theoretical subjects in database systems. The topics to be covered in this course include:
- Distributed Databases
- Object-Oriented and Object-Relational Databases
- Web and XML Databases
- Multimedia Databases
- Stream and Sensor Databases
- Mobile Databases
- Cloud and Big Data Management
- Data Warehousing and Data Mining
- Data Security and Privacy

Grading:
Project and Presentation 45%
Final Exam 25%
Homework 30%

ACADEMIC MISCONDUCT: Homework and Exam are individual work; they must be done by you only. Project and Presentation are group work; they must be done by you and your assigned group members only. Plagiarism will result in action as specified in the Academic Integrity Code at OU: http://integrity.ou.edu/files/Academic_Misconduct_Code.pdf. Consult also the following web page for a Student's Guide to Academic Integrity at OU: http://integrity.ou.edu/students_guide.html.

IMPORTANT NOTE: Any student in this course who has a disability that may prevent him or her from fully demonstrating his or her abilities should contact me personally as soon as possible, so that we can discuss accommodations necessary to ensure full participation and facilitate your educational opportunities