CS 5513 - ADVANCED DATABASE MANAGEMENT
SPRING 2016
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 Databases
- Data Warehousing and Mining
- Cloud Computing, Big Data Management and NoSQL Systems
- Stream Databases

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

Academic Integrity: 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.

Disability: 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.

**Adjustment for Pregnancy/Childbirth Related Issues:** Should you need modifications or adjustments to your course requirements because of documented pregnancy-related or childbirth-related issues, please contact me as soon as possible to discuss. Generally, modifications will be made where medically necessary and similar in scope to accommodations based temporary disability. Please see [http://www.ou.edu/eoo/faqs/pregnancy-faqs.html](http://www.ou.edu/eoo/faqs/pregnancy-faqs.html) for commonly asked questions.

**Title IX Resources:** For any concerns regarding gender-based discrimination, sexual harassment, sexual misconduct, stalking, or intimate partner violence, the University offers a variety of resources, including advocates on-call 24.7, counseling services, mutual no contact orders, scheduling adjustments and disciplinary sanctions against the perpetrator. Please contact the Sexual Misconduct Office 405-325-2215 (8-5) or the Sexual Assault Response Team 405-615-0013 (24.7) to learn more or to report an incident.