Instructor: Fereidoon (Fred) Sadri
Office: 156 Petty Science Building
E-mail: sadri at uncg dot edu
Home Page: http://www.uncg.edu/~sadrif
Phone: 256-1136
Office Hours: TBA

Text Book:
We will not have a text book in this course. A reading list will be provided.

COURSE CONTENTS: (Tentative)

- XML Basics (XML, DTD, XPath, XQuery).
- Information Integration Basics.
- Web and XML Tools, such as
  - JavaScript, AJAX
  - PHP
  - Ruby on Rails
  - XSLT
  - XML Schema
  - Mashups and Pipelines
  - ATOM and RSS Feeds
- Information Integration Research: New Issues and Approaches.
- Modeling and management of uncertain information.
- The Semantic Web
- XML Database implementations.
- XML query processing and optimization.
- Cloud Computing
- Map-Reduce Technique, Hadoop
GRADING SCHEME:

Tests: 75% (Test1 25%, Test2 25%, Test3 25%)
Presentations, participation, discussions, homeworks, and presentation summaries: 15%
Term paper or project: 10%

TEST DATES:
Test 1: Tuesday February 8, 2011.
Test 2: Tuesday March 22, 2011.
Test 3: Thursday April 21, 2011.
(If UNCG is closed on April 21, 2011 for any reason, test 3 will be given on Thursday April 28, 2010.)

NOTES:

• The grade you will receive in this course is a function of your numerical marks in the tests, term papers, presentations, etc... **AND** the overall performance of all students in the course. The marks will be “normalized” to assess a student’s performance. A rough guideline is as follows: 90% to 100%, A; 80% to 89%, B; 70% to 79% C; below 70%, F.

• Students should be present for all tests. No make-up tests will be given.

• I often use email to communicate with you. I will only use your UNCG email addresses. Please make sure to check your messages regularly. If you normally use a different email address, it is your responsibility to forward your UNCG messages to that address.

• You are encouraged to seek information in other books or on the web. **BUT** you must cite the source if you use any material from other books or the web (for example, in your homework). Otherwise it is considered cheating.

• You are all expected to attend other students presentations.

• Computers do break down. In fact they often break down at the worst time. It is your responsibility to be prepared for such accidents, and still meet the deadline for your assignments. Also note that the labs get very busy at the end of the semester.

• It is a good idea to retain a copy of your works until you receive your final grade for the course.

• **Please back up all your computer work.**

• **Academic Integrity Policy** will be strictly enforced.

• **Laptop/Cellphone Policy:** Laptops can be both a benefit and a distraction in a classroom. While many students benefit from taking notes using a laptop, or having access to class-related resources during class, other students cannot resist the temptation of checking e-mail, chatting, working on assignments (for this or another class), or even playing games during class time. This class has a strict “no non-class related use” rule for laptops. If you are found violating this policy, then your in-class laptop privileges will be taken away and additional penalty may be levied. Cellphones are a distraction for everyone, and should be turned off during class. If there is a special situation where you need to have your phone on for a particular day, please let the instructor know the situation before class.