Text Book:
We will not have a textbook in this course.

COURSE CONTENTS: (Tentative)

- XML Basics (XML, DTD, XPath, XQuery).
- Modeling and management of uncertain information.
- Information integration
- Integration of uncertain information
- Topics of current interest, such as
  - Massively parallel processing (Map-Reduce; Hadoop)
  - Data analytics
  - Issues in cloud computing
  - XML query processing, XML tools
  - XML database implementations
  - The Semantic Web
  - Data cleaning
  - Social media
  - Crowdsourcing
  - Privacy
  - Security
  - Data exchange
GRADING SCHEME:

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

TEST DATES:
Test 1: Thursday February 6, 2014.
Test 2: Thursday March 20, 2014.
Test 3: Thursday April 24, 2014.
(If UNCG is closed on April 24, 2014 for any reason, test 3 will be given on Thursday May 1, 2014.)

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.