UNIVERSITY OF NORTH CAROLINA AT GREENSBORO
DEPARTMENT OF COMPUTER SCIENCE

CSC 350: Foundations of Computer Science II
Spring 2010
SYLLABUS

Instructor: Fereidoon (Fred) Sadri
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Office Hours: Wednesdays 1:00-1:45 PM
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Text Book: Discrete Structures, Logic, and Computability
by: James L. Hein
Jones and Bartlett
2nd or 3rd Edition

COURSE CONTENTS:

• Analysis Techniques (Chapter 5 of textbook.)
• Elementary Logic (Chapter 6 of textbook.)
• Predicate Logic (Chapter 7 of textbook.)
• Computational Logic (Chapter 9 of textbook.)
• Algebraic Structures and Techniques (Chapter 10 of textbook.)
• *Regular Languages and Finite Automata (Chapter 11 of textbook.)
• *Context-Free Languages and Pushdown Automata (Chapter 12 of textbook.)
• *Turing Machines and Equivalent Models (Chapter 13 of textbook.)

GRADING SCHEME:

Homeworks and/or quizzes: 20%
Test 1: 25%
Test 2: 25%
Test 3: 30%

TEST DATES:

(If UNCG is closed on May 3, 2010 for any reason, test 3 will be given on Wednesday May 5, 2010.)

1Topics marked with * will be covered if time permits.
NOTES:

- Students must have satisfied all prerequisites for this course, or have permission from the instructor.

- The grade you will receive in this course is a function of your numerical marks in the assignments, quizzes, tests 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; 60% to 69% D (for undergraduate students) or F (for graduate students); below 60%, 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.

- Homeworks are due in class.

- A penalty of 20% (of the total homework mark) per day will be levied for late assignments. Late submission of a homework is accepted until it is discussed in class. You are encouraged to turn in homeworks even if you have lost all of its mark due to penalty.

- 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.

- Some topics from the text or references will be designated as “reading assignments”. You are responsible to read these topics on your own, and ask questions during classroom hours or my office hours if there are any parts that need clarification.

- For administrative reasons I may need to make copies of some of your works and exams. Please notify me if you wish no copy of your works and tests to be made.

- 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.