MATH 2420
Discrete Mathematics
Aderhold Learning Center 106
Spring 2006

Instructor	: Harry Sharp
Office	: Georgia Tech School of Industrial and Systems Engineering (404-894-6545)
Office Hours	: 8:30 - 5:30 M-F
E-Mail	: hsharp@isye.gatech.edu
Text	: <u>Discrete Mathematics with Applications, 3rd Ed.</u>
	Susanna Epp, Brooks/Cole Thompson Learning
Web page	: http://www2.isye.gatech.edu/~hsharp

Description: Introduction to discrete structures which are applicable to computer science.

        Numbering Systems
        Concepts of Mathematical Logic
        Digital Circuits
        Series and Sequences
        Set Theory
        Functions and Relations
        Combinatorics - Combinations and Permutations
        Inductive proofs
        Graphs and Trees
        Finite State Automata

Evaluation:

In Class tests during semester (3 @ 100 points each)	60%
Take home assignments	20%
Final exam (**Monday, May 8th, 5:00pm**)	20%

Grading: Standard 10-point scale (A 100-90, B 89-80, C 79-70, D 69-60)
Incompletes **will not** be given without extenuating circumstances.

Attendance: It is expected that students will attend class. Roll will be checked randomly to ascertain attendance. Notes missed due to absence are the student's responsibility to obtain. Quizzes or exams missed due to absence may be taken the following class period.

Should a student miss more than four (4) concurrent class days (20% of total class days) that student will be subject to involuntary withdrawal from class. Withdrawal prior to **March 3rd** will result in a grade of **'W'**. Withdrawal after that date will result in a grade of **'WF'**.

Please turn cell phones off or to "silent" mode during class as a courtesy to the professor and to other students.

Plagiarism: All work submitted must be the student's own work. Plagiarism will result in a grade of zero for the assignment and strict disciplinary action.

Disclaimer: The syllabus provides a general plan for the course; deviations may be necessary.

Week	Monday			Wednesday	
1	9	Introduction		11	
2	**16**	**MLK Holiday**		18	
3	23			25	
4	30			1	Test 1
5	6			8	
6	13			15	
7	20			22	
8	27	Test 2		1	
9	**6**	**Spring Break**		**8**	**Spring Break**
10	13			15	
11	20			22	
12	27			29	
13	3			5	Test 3
14	10			12	
15	17			19	
16	24			26	
17	1			3	
18	**8**	**Final Exam - 5:00 pm**			