DEPARTMENT OF MATHEMATICS, UNIVERSITY OF NOTRE DAME
Mathematics 104, Summer Semester 1995

Instructor: Alex McAllister
Office: 224 CCMB
Office Hours: Monday 9 - 10, Tuesday 3 - 4, Thursday 3 - 4

Text: Finite Mathematics and Its Applications (4th edition)
by Goldstein, Schneider and Siegel .

We will cover the following topics: Sets and Counting, Probability, Statistics, Linear Equations, Matrices, Markov Processes.

Examinations, quizzes, homework and grades:

There will be four one-hour exams and a two-hour final exam. The dates of the exams are listed below. Each one hour exam is worth 100 points and the final exam is worth 150 points. The final exam is comprehensive. There will be daily quizzes at the end of the first half of the period. Homework is also an essential part of the course; mathematics is not a spectator sport. A couple students will be asked to put a homework problem on the board at the beginning of each period. Quiz and board problems will be worth 50 points of the final grade.

For homework, collaboration is encouraged; copying is discouraged. Students may use calculators whenever they feel it is necessary. Any student who misses an exam, quiz or board problem, will receive zero points unless an official excuse is presented.

Grades will be assigned for each exam based on the numerical scores for the exam. The course grade (A, A-, B+, B, B-, C+, C, C-, D, F) will be based on the sum of the exam scores and the quiz and board problem scores (with 600 points the highest possible).

Class Attendance:

A freshman may be given an F if they accumulate more 1 1/2 unexcused absences. Before assigning this grade, a written warning will be given, with a copy sent to the Freshman Year Dean's Office. Any further unexcused absence will result in a grade of F.

Exams: Monday 7/10   Monday 7/19   Monday 7/24   Monday 7/31
Final Exam: Wednesday 8/2

	I	**II**	**HW**
M 7/3	Intro	5-1	p. 207-210 # 1, 3, 5, 10, 15-20, 21, 22, 25, 33, 36, 37, 39, 49
T 7/4	5-2	5-2/5-3	p. 216-217 # 1, 3, 5, 12, 13, 15, 19, 27, 29, 33, 34, 46, 47
			p 222-225 # 3, 4, 9, 11, 16, 29, 31, 33, 35
W 7/5	5-4	5-5	p 229-231 # 1, 3, 4, 8, 9, 16, 19, 23, 29
			p 236-237 # 2, 3, 6, 7, 11, 12
H 7/6	5-5/5-6	5-6	p 236-237 # 13, 15, 16, 17, 19, 20, 23, 25
			p 242-244 # 1, 4, 5, 7, 12, 18, 19
F 7/7	5-7	Review	p 249-250 # 1, 3, 5, 6, 7, 11, 12, 13, 14, 15, 16, 17, 19
M 7/10	EXAM	6-2	p 269-272 # 1, 3, 4, 5, 7, 9, 10a, 11, 13, 15, 17
T 7/11	6-3	6-3/6-4	p 280-283 # 1, 3, 4, 5, 7, 8, 10, 11, 15, 16, 20
			p 288 # 1, 3
W 7/12	6-4	6-5	p 288-291 # 4, 6, 9, 11, 12, 13, 19, 20, 21
			p 301 # 1, 2, 3, 4, 7, 9
H 7/13	6-5	6-6	p 301-305 # 12, 13, 15, 18, 29
			p 310 -312 # 1, 3, 4, 6, 7, 8, 11, 12, 13, 16, 19

	I	II	HW	
F 7/14	6-7	Review	p 315-318	# 1, 2, 3, 5, 6, 8, 9
M 7/19	EXAM 7-1		p 332-334	# 1, 2, 5, 7, 8, 11, 13, 15, 17, 18
T 7/18	7-2	7-2/7-3	p 343-345	# 1, 2, 3, 4, 5, 6, 9, 13
			p 352-355	# 1, 2, 3, 4, 5, 7
W 7/19	7-3	7-4	p 352-355	# 8, 9, 11, 12, 15
			p 362-363	# 1, 2, 3, 4, 5, 6, 7, 9, 11, 13
H 7/20	7-5	7-5	p 375-377	# 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 28, 31
F 7/21	7-6	Review	p 384-385	# 1, 2, 3, 4, 5, 7, 9
M 7/24	EXAM 1-1/1-2		p 10-12	# 1, 3, 13, 15, 17, 21, 22, 23, 29, 32
			p 20-22	# 5, 6, 7, 9, 11, 15, 17, 27, 30, 33, 37
T 7/25	1-3/1-4	2-1	p 27-29	# 1, 5, 9, 10, 17, 18
			p 38-43	# 17, 19, 21, 23, 24, 25, 26
			p 58-60	# 1, 3, 17, 19, 21, 22, 29
W 7/26	2-2	2-3	p 67-69	# 1, 2, 9, 11, 13, 16, 23, 29
			p 80-84	# 7, 9, 11, 13, 15, 16, 21, 23, 24, 25, 31, 35, 37
H 7/27	2-4	2-5	p 93-95	# 1, 2, 3, 5, 8, 9, 11, 16, 17, 18
			p 100-101	# 1, 2, 3, 7, 13, 14, 20

	I	**II**	**HW**
F 7/28	8-1	Review	p 398-400 # 1, 2, 3, 7, 8, 10, 21
M 7/31	EXAM 8-2		p 407-408 # 1, 2, 3, 7, 9, 12, 15, 16
T 8/1	8-3	Review	p 416-417 # 1, 3, 5, 7, 8, 11
W 8/2	FINAL EXAM		