span.SPELLE {mso-spl-e:yes;} span.GRAME {mso-gram-e:yes;} span.SPELLE {mso-spl-e:yes;} span.GRAME {mso-gram-e:yes;}
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Math 103Q
Elementary Discrete Mathematics
Syllabus Spring 2008

Text: Mathematics Beyond the Numbers (Gilbert and Hatcher)

Week	Sections	Topics	Homework
1	1.1 1.2	Plurality, Runoff methods Borda's Method	pg 15 # 1, 3, 6, 7, 11, 15 pg 28 # 1, 3, 5, 9, 12
2	1.3 1.4	Head-to-head Comparisons Approval Voting	pg 39 # 1, 3, 7, 9, 11, 15 pg 51 # 2, 5, 7, 9, 11, 15,17
3	2.1 2.2	Quota methods Early Divisor Methods	pg 80 # 1, 3, 5, 8, 9 pg 99 # 1, 3, 5, 7, 11, 13
4	3.1	Algebra review Review **Exam 1**	pg 133 # 1-29 odd
5	3.2 3.3	Simple Interest Compound Interest	_pg 138 # 1, 7, 11, 15, 17, 21, 23, 27, 30 pg 150 _# 1, 5, 9, 13, 17, 21, 31, 35, 39, 52
6	3.4 3.5	Systematic Savings Amortized Loans	pg 161 # 1, 5, 9, 13, 15, 19, 21 pg 174 #1,5.9,13,17,23
7	4.1 4.2	Elementary Probability Odds	pg 192 # 1, 3, 5, 9, 11, 13, 17, 19, 23,29 pg 200 # 1, 3, 5, 7, 11, 15, 17, 20
8	4.3	The Addition Rule Review **Exam 2**	pg 205 # 1, 3, 5, 7, 11, 13, 15 –

9	4.4 4.5	Conditional Probability Counting Techniques	pg 215 # 1, 3, 7, 11, 13, 19, 23, 27, 34 pg 232 # 1, 5, 9, 13, 17, 21, 25, 29, 35
10	4.6 4.7	More Probability Expected Value	pg 242 # 1, 5, 9, 13, 17, 21, 25, 28,31 pg 248 # 1, 5, 9, 12, 14, 17, 23
11	4.8	Genetics Review	pg 260 # 1,3- 5, 7, 11-13, 17, 21, 25
12	 6.1	_Exam 3 Euler Paths and Circuits	 pg 375 # 1, 5, 7, 11, 13, 15, 17,23,28, 31
13	6.2 ,6.3	Traveling Salesman Spanning Trees	pg 396 # 1, 5, 7, 9, 15, 19, 21,23 pg 411 # 1, 3, 5, 7, 11, 15, 21
14		Review	