

COLLEGE OF STATEN ISLAND
DEPARTMENT OF MATHEMATICS
MATH-109 MATHEMATICS AND THE ENVIRONMENT
COURSE OUTLINE

Fall 2003
RS:ab

TEXT: **Mathematics and Global Survival, by Richard Schwartz**
 Publisher (Ginn Press, 1998 Fourth Edition)

(for a twice-a-week course)

<u>CLASS</u>	<u>TOPIC</u>	<u>TEXT MATERIAL</u>	<u>HOMEWORK</u>
1	Introduction Basic Calculations	Preface, Chapter 1 Art. 2.1	9/2,3a,b,5,8,10,11, 15,17,22-25
2	Ratios	Art. 2.2	14/1-11,17,18
3	Percents	Art. 2.3	22/1-3,6,7,10-12
4	Percents	Art. 2.3	23/15-20,24,28
5	Population Calculations	Chapter 3	38/1-10
6	Population Calculations	Chapter 3	40/11-19
7	REVIEW		
8	TEST #1		
9	Line Graphs	Art. 4.1	51/2,3,5,7,12,14, 15,17-23
10	Circle Diagrams	Art. 4.2	70/3,5,7,9,12-14
11	Bar Charts	Art. 4.3	83/2,4,6,8,10,11-19
12	Scatterplots	Art. 4.5	102/1-5
13	Sampling	Arts. 7.1,7.2,7.3	131/1(a-j), 133/1-3
14	Sequences	Art. 5.1,5.2	110/1-6,9-13
15	Geometric Growth and Decay	Art. 5.3,5.4	115/1-3, 117/1-7
16	REVIEW		
17	TEST #2		
18	Population Growth Model	Chapter 6	125/1-4
19	Population Growth Model	Chapter 6	125/5-9
20	Averages	Chapter 8	142/1-4
21	Averages	Chapter 8	143/5,7,8
22	Probability	Art. 10.1, 10.2	176/1,10,11

(over)

MATH-109 OUTLINE (con'd)

<u>CLASS</u>	<u>TOPIC</u>	<u>TEXT MATERIAL</u>	<u>HOMEWORK</u>
23	Probability	Art. 10.3	177/12-15
24	Normal Curve	Art. 11.1	192/1-7
25	Confidence Intervals	Art. 11.2	194/1-7
26	REVIEW		
27	TEST #3		
28	REVIEW FOR FINAL EXAM		