COLLEGE OF STATEN ISLAND DEPARTMENT OF MATHEMATICS COURSE OUTLINE

MTH 102 -- Mathematics for Liberal Arts

Fall 2013

TEXT: Mathematical Excursions 3rd Edition by Aufmann/Lockwood/Nation/Clegg;

Departmental

Houghton Mifflin Company http://www.math.csi.cuny.edu/Courses REQUIRED: Scientific Calculator

5
,59
31
)
a,29a
b,27b,
urses
,23,25
,

	Combinations	753-
		755/25,27,29,37,39,49,50,51,56,65-70

LESSON	SECTION	TOPICS	HOMEWORK PROBLEMS
LESSON	SECTION	TOPICS	HOWEWORK PROBLEMS
20,21,22	12.3	PROBABILITY and ODDS	
,	pgs.756-763	Introduction to Probability	764-766/1,3,7,9,13,23,24,27,31,35-57
		, and the same of	odd
		Applications to Genetics	766/55-58
		Calculating Odds	766-767/59,60,67,69,71,74,77,79,80
23	12.4	ADDITION and	
	pgs.768-773	COMPLEMENT RULES	
		Addition rules for Probabilities	775-776/3,5,7,9,11,21,23,25,27,29,31
		The Complement of an Event	32,33,39,40,43,45
24*		REVIEW SESSION (Chapter 12)	798-800/4,5,11-18,20-22,27-30
_			33,34,37-39,41-44,47,48,52,53
25,26	13.1	MEASURES of CENTRAL	
	pgs.804-810	TENDENCY	
		Mean, Median, Mode	811-812/1,3,5,6,11,13,15
		The Weighted Mean	812-813/17,19,21,23,27,29,31,33
27,28	13.2	MEASURES of DISPERSION	
	pgs.815-821	The Range, The Standard	822-823/1-5,7,9,13-16
	10.1	Deviation, The Variance	
29,30	13.4	NORMAL DISTRIBUTIONS	0.45/4.0
	pgs.837-841	Frequency Distributions and	847/1,2
		Histograms	040/2.5.6.7.0
		Normal Distributions and the	848/3,5,6,7,8
21 22*		Empirical Rule	065/1.0.2.6.7
31-32*		REVIEW SESSION (Chapter 13)	865/1,2,3,6,7
22		REVIEW for TEST 2	http://www.math.csi.cuny.edu/Courses
33 34,35	11.1	TEST 2 SIMPLE INTEREST	
34,33	·		669 660/5 7 0 11 21 25 27 21 24
	pgs.660-666	Simple Interest, Future Value and Maturity Value	668-669/5,7,9,11,21,25,27,31,34 36,37,39,40,43-49
36,37,38,	11.2	COMPOUND INTEREST	30,37,37,40,43-47
39	pgs.671-683	Compound Interest, Present Value,	686-688/1,3,5,7,15,18,27,31,35,40,45,
	P85.071 003	Inflation, Effective Interest Rate	51,53,55,57,59,63-67
40*		REVIEW SESSION (Chapter 11)	729-730/1-11
10		TET TETT DESSION (Chapter 11)	120 100/1 11
41-42*			
11 12		REVIEW for FINAL	
l	ı	<u> </u>	1

^{*}Indicates Review Sessions