

Math 235 Day by Day Schedule

Day	ANN:	Activities/Notes	Worksheets & Comments
1	upcoming MSL due next week Exam 1 (Ch 1-4)	syllabus (<i>very little</i>), MRC, intro, stlmath demo Start Chap 1	1.1 notes (Introduction to the Practice of Statistics) 1.2 notes (Observational Studies versus Designed Experiments) 1.3 notes (Simple Random Sampling) 1.4 notes (Other Sampling Methods) 1.5 notes (Bias in Sampling) 1.6 notes (The Design of Experiments)
2	upcoming MSL due next week ANN: No school Labor Day, Sep. 1	Continue Chap 1 Whatever we do <i>not</i> cover, students must read on own.	Sampling questions (1.5)
3	upcoming MSL due next week and today ANN: Do <i>not</i> use Messages in Blackboard; email at soleary@lc.edu	Start Chap 2	2.1 notes (Organizing Qualitative Data) 2.2 notes (Organizing Quantitative Data: The Popular Displays) 2.3 notes (Additional Displays of Quantitative Data) 2.4 notes (Graphical Misrepresentations of Data)
4	upcoming MSL due and some may already be past due; When we finish a set of notes, expect the MSL to be due next week (1st class day, midnight). I do <i>not</i> announce individual due dates.	Continue Chap 2 Whatever we do <i>not</i> cover, students must read on own.	Data displays (2.2) – Do 4 and 7 together 2.1: STATCRUNCH

5	late policy	Start Chap 3	3.1 notes (Measures of Central Tendency) 3.2 notes (Measures of Dispersion) 3.4 notes (Measures of Position and Outliers) 3.5 notes (The Five-Number Summary and Boxplots) Comparison of two data sets with the same mean (3.2) 3.2: CALCULATOR / STATCRUNCH (MSL 3.2.11, #7) 3.5: STATCRUNCH
6		Finish Chap 3	Effect of an outlier (3.5)
7	upcoming Exam 1 (Ch1-4) -- Can use note sheet, calculator; curtailed due dates	4.1 notes (Scatter Diagrams and Correlation) 4.2 notes (Least-Squares Regression) start	4.1: STATCRUNCH (MSL 4.1.17, #4) 4.2: STATCRUNCH
8	upcoming Exam 1 (Ch1-4) -- Can use note sheet, calculator; curtailed due dates	4.2 notes finish 4.3 notes (Diagnostics on the Least-Squares Regression Line) start	Linear regression on your calculator (4.2) Video available on stlmath
9	upcoming Exam 1 (Ch1-4) -- Can use note sheet, calculator; curtailed due dates	4.3 notes finish 4.4 notes (Contingency Tables and Association) cover	Simpson's paradox: Does smoking improve survival? (4.4)

10		Exam 1 (Ch1-4) Can use note sheet, calculator	
11	Exam 2 (Ch 5-7)	5.1 notes (Probability Rules) 5.2 notes (The Addition Rule (for “OR” events) and Complements) start	5.1: need coin, dice Counting problems involving OR (5.2) 5.2: need two dice
12		5.2 notes finish 5.3 notes (Independence and the Multiplication Rule) start	The difference between OR and AND (5.3) 5.3: need deck of cards, two dice
13		5.3 notes (Independence and the Multiplication Rule) finish 5.4 notes (Conditional Probability and the General Mult. Rule) start	
14		5.4 notes (Conditional Probability and the General Mult. Rule) finish 5.5 notes (Counting Techniques: Combinations and Permutations) 6.1 notes (Discrete Random Variables)	Expected value of a lottery ticket (6.1) 6.1: CALCULATOR / STATCRUNCH

15	upcoming exam 2 (Ch 5-7) – Can use note sheet, calculator; curtailed due dates	6.2 notes (The Binomial Probability Distribution) Discuss 6.2 wrksht	Mean and standard deviation of a binomial distribution (6.2) 6.2: CALCULATOR / STATCRUNCH	
16	late policy; upcoming exam 2 (Ch 5-7) – Can use note sheet, calculator; curtailed due dates	7.1 notes (The Normal Probability Distribution) 7.2 notes (Applications of the Normal Distribution) start	7.2: CALCULATOR 7.2: STATCRUNCH	
17	upcoming exam 2 (Ch 5-7) – Can use note sheet, calculator; curtailed due dates	7.2 notes finish 7.3 notes (Assessing Normality)	Normal distribution practice 3 (7.2) 7.3: STATCRUNCH	
18		Exam 2 (Ch 5-7) Can use note sheet, calculator		
19	Exam 3 (Ch 8-10)	8.1 notes (Distribution of the Sample Mean) 8.2 notes start		

20	ANN: Time to buckle down and give more time to class; going to get harder	8.2 notes (Distribution of the Sample Proportion) 9.1 notes (Estimating a Population Proportion)	Finding probabilities involving sample means and proportions (8.1, 8.2) Confidence intervals and sample size (9.1) 9.1: CALCULATOR / STATCRUNCH	
21	upcoming exam 3 (Ch 8-10) – Can use note sheet, calculator; curtailed due dates	9.2 notes (Estimating a Population Mean)	9.2: CALCULATOR	
22	late policy upcoming exam 3 (Ch 8-10) – Can use note sheet, calculator; curtailed due dates	10.1 notes (The Language of Hypothesis Testing) 10.2 notes (Hypothesis Tests for Population Proportions) start		
23	upcoming exam 3 (Ch 8-10) – Can use note sheet, calculator; curtailed due dates	10.2 notes finish 10.3 notes (Hypothesis Tests for Population a Mean)	10.2: STATCRUNCH 10.3: STATCRUNCH	
24		Exam 3 (Ch 8-10) Can use note sheet, calculator; curtailed due dates		
25	Exam 4 (Ch. 11-14) ANN: Nov 26-28 Thanksgiving break	11.1 notes (Inference about Two Pop. Props) 11.2 notes (Inference about Two Means: Dependent Samples) start if possible	may not start 11.2	

26		11.2 notes (Inference about Two Means: Dependent Samples) 11.3 notes (Inference about Two Means: Independent Samples) start		
27	late work for half credit (MML); paper worksheets get full credit	11.3 notes (Inference about Two Means: Independent Samples) finish 12.1 notes (Goodness of Fit Test)		
28	upcoming exam 4 (Ch 11-14) – Can use note sheet, calculator; curtailed due dates	12.2 notes (Tests for Independence and the Homogeneity of Props.) 13.1 notes (Comparing Three or More Means: ANOVA) start		
29	upcoming exam 4 (Ch 11-14) – Can use note sheet, calculator; curtailed due dates	13.1 notes (Comparing Three or More Means: ANOVA) finish 13.2 notes (Post Hoc Tests on One-way ANOVA) start	13.2: STATCRUNCH Use <i>13.1 MML #5</i> (13.1.13) – will not be same as Notes but show for STCR process	
30	upcoming exam 4 (Ch 11-14) – Can use note sheet, calculator; curtailed due dates	13.2 notes (Post Hoc Tests on One-way ANOVA) finish 14.3 notes (Intro to Multiple Regression)	probably not getting to 14.3	
31		Exam 4 (Ch. 11-14) Can use note sheet, calculator		