

Stat 151.003 (Kozdron) Fall 2006
Syllabus

Week 1

Wednesday, September 6	Introduction to course	
Friday, September 8	The nature of statistics; variables; data collection	§1-1, 1-2, 1-3, 1-4, 1-5

Week 2

Monday, September 11	Uses & misuses of statistics; technology	§1-6, 1-7
Wednesday, September 13	Frequency distributions and graphs	Chapter 2
Friday, September 15	Measures of central tendency	§3-1, 3-2

Week 3

Monday, September 18	Measures of variation	§3-3
Wednesday, September 20	Measures of position, 5-number summary	§3-4, 3-5, 3-6
Friday, September 22	Review to date	

Week 4

Monday, September 25	Probability	§4-1, 4-2
Wednesday, September 27	Probability	§4-3, 4-4
Friday, September 29	Discrete probability distributions	§5-1, 5-2

Week 5

Monday, October 2	Mean, variance, SD, expectation	§5-3
Wednesday, October 4	Binomial distribution	§5-4, 5-5
Friday, October 6	Normal distribution	§6-1, 6-2, 6-3

Week 6

Monday, October 9		NO CLASS
Wednesday, October 11	Applications of normal distribution	§6-4
Friday, October 13	Central Limit Theorem	§6-5

Week 7

Monday, October 16	Review to date	
Wednesday, October 18	MIDTERM	
Friday, October 20	Confidence intervals for mean	§7-1, 7-2

Week 8

Monday, October 23	Confidence intervals for mean	§7-3
Wednesday, October 25	Normal approximation to binomial	§6-6
Friday, October 27	Confidence intervals for proportion	§7-4

Week 9

Monday, October 30	Confidence intervals for variances	§7-5, 7-6
Wednesday, November 1	Introduction to hypothesis testing	§8-1, 8-2
Friday, November 3	z -test for mean	§8-3

Week 10

Monday, November 6	t -test	§8-4
Wednesday, November 8	z -test for proportion	§8-5
Friday, November 10	Review to date	

Week 11

Monday, November 13		NO CLASS
Wednesday, November 15	MIDTERM	
Friday, November 17	χ^2 test for variance	§8-6

Week 12

Monday, November 20	Confidence interval-hypothesis test duality	§8-7, 8-8
Wednesday, November 22	Difference between means: large samples	§9-1, 9-2
Friday, November 24	Difference between variances	§9-3

Week 13

Monday, November 27	Difference between means: small samples	§9-4, 9-5
Wednesday, November 29	Difference between proportions	§9-6, 9-7
Friday, December 1	Course evaluations, final exam review	

Week 14

Monday, December 4	Final exam review	
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