

MATH 279- SPRING 2011

Dates	Lect. No.	Section	Topic	Homework Problems
1/19	1	1.1–1.4 2.1–2.2	Role of Statistics, Data summary, stem-and-leaf diagram	Read Chapter 1 + 2.1, 2.3, 2.4, 2.12, 2.22, 2.27e, 2.30, 2.34, 2.38
		2.3–2.5	Histogram, box plot and time series plots	
1/26	2	3.1–3.3	Probability, random variables,	3.11, 3.17, 3.18
2/2	3	3.4-3.7	probability mass function ,Probability density function, mean and variance	3.19ab, 3.22, 3.27, 3.29, 3.23,3.83, 3.84,
2/9	4	3.8–3.9.1	Binomial distribution	3.94, 3.97, 3.99, 3.107, 3.110, 3.111
			Poisson process	
2/16	5	3.9.2, 3.5	Exponential distribution, Normal distribution	3.34, 3.39ab, 3.41, 3.46, 3.47, 3.122, 3.124, 3.125
2/23	6	3.10, 3.13	Central Limit Theorem, Normal approximation, Distribution of sample mean	3.130, 3.134,3.174, 3.175
3/2	7	3.11	Independence	3.139a, 3.149, 3.150
		L▶	REVIEW FOR MIDTERM EXAM	
3/9	8	L▶	MIDTERM EXAM: WEDNESDAY ~ MARCH 9, 2011	
3/16		L▶	SPRING RECESS: MARCH 13-19, 2011	
3/23	9	4.1–4.2, 4.3.1	Statistical inference, point and interval estimation, Statistical hypotheses	4.1, 4.3, 4.4
3/30	10	4.3	Hypothesis Testing	4.13a, 4.15a, 4.17a
4/6	11	4.4	Hypothesis Testing with Known Variance, Confidence Intervals	4.31, 4.33, 4.34, 4.36, 4.37, 4.38, 4.40
4/13	12	4.5	Hypothesis Testing with Unknown Variance, Confidence Intervals	49, 4.52, 4.53a,
4/20	13	4.7	Inference on Population Proportion	4.74, 4.76
	14	4.6	Inference on the Variance of a Normal Population	4.59, 4.60

MATH 279- SPRING 2011

4/27		▶	REVIEW FOR FINAL EXAM	
Final	FINAL EXAM WEEK: MAY 5-11, 2011			