APPROXIMATE SCHEDULE, SUBJECT TO CHANGE

MATH 451, Fall 2020

No.	Date	Day	Topics	Book	Quiz Problem	Due
1	Aug 20	R	Sets, set operations, disjoint, partitions	Leemis 1,1 1.3	QP1	Aug 27
2	Aug 25	T	Power sets, sample space, outcomes, events Prob fn defn, Kolmogorov axioms, examples	Leemis 2.1, 2.2		
3	Aug 27	R	Basic theorems, Boole's ineq, event partitioning, equally likely outcomes	Leemis 2.1, 2.2	QP2	Sep 3
4	Sep 1	T	Ordered counting	Leemis 1.2, 2.3		
5	Sep 3	R	Unordered Counting	Leemis 1.2, 2.3	QP3	Sep 10
6	Sep 8	T	Conditional Prob., Compound, bayes,	Leemis 2.4, 2.5		
7	Sep 10	R	Independence, Mutual Independence, Pairwise independence	Leemis 2.6	QP4	Sep 17
8	Sep 15	T	Random Vars, Distribution Functions	Leemis 3.1-3.3		
9	Sep 17	R	PMF and PDF	Leemis 3.1-3.3	QP5	Sep 24
10	Sep 22	T	PDFs, Expectation	Leemis 3.4		
11	Sep 24	R	Expectation and Variance	Leemis 3.4	QP6	Oct 1
12	Sep 29	T	Moments and MGFs	Leemis 3.4		
13	Oct 1	R	Common Distributions	Leemis CH 4 & 5	QP7	Oct 8
14	Oct 6	T	Common Distributions	Leemis CH 4 & 5		
15	Oct 8	R	**Midterm**		QP8	Oct 15
16	Oct 13	T	Transformations	Leemis 7.1, 7.2 (Beginning)		
17	Oct 15	R	Bivariate RVs	Leemis 6.1	QP9	Oct 22
18	Oct 20	T	Bivariate expectation and conditional distribution	Leemis 6.3		
19	Oct 22	R	Conditional expectation and independence	Leemis 6.2	QP10	Oct 29
20	Oct	T	Iterated expectaiton and bivariate transformation	Leemis 3.4 and		

	27			7.2		
21	Oct 29	R	More bivariate transformation	Leemis 7.2	QP11	Nov 5
22	Nov 3	T	Multivariate random variables	Leemis 6.5		
23	Nov 5	R	Random samples and order statistics	Leemis 7.2	QP12	Nov 12
24	Nov 10	T	Inequalities and convergence	Leemis 3.5, 8.1, 8.2		
25	Nov 12	R	Central limit theorem	Leemis 8.3		
			Final Exam			