APPROXIMATE SCHEDULE - SUBJECT TO CHANGE

MATH 451, Fall 2021

No.	Date	Day	Topics	Book	Quiz Problem	Due
1	Sep 2	R	1. Set notation	Leemis 1,1 1.3	QP1	Sep 9
2	Sep 7	T	2. Axiomatic probability	Leemis 2.1, 2.2		
3	Sep 9	R	3. Basic Theorems	Leemis 2.1, 2.2	QP2	Sep 16
4	Sep 14	T	4. Ordered counting	Leemis 1.2, 2.3		
5	Sep 16	R	5. Unordered Counting	Leemis 1.2, 2.3	QP3	Sep 23
6	Sep 21	T	6. Conditional Probability	Leemis 2.4, 2.5		
7	Sep 23	R	7. Independence	Leemis 2.6	QP4	Sep 30
8	Sep 28	T	8. Random Variables and CDFs	Leemis 3.1-3.3		
9	Sep 30	R	9. PMFs and PDFs	Leemis 3.1-3.3	QP5	Oct 7
10	Oct 5	T	Midterm 1 (covers Lec 1-7, Leemis 1-2)			
11	Oct 7	R	10. More PMFs and PDFs	Leemis 3.4	QP6	Oct 14
12	Oct 12	T	11. Expectation and Variance	Leemis 3.4		
13	Oct 14	R	12. Moments and MGFs	Leemis 3.4	QP7	Oct 21
			Fall Break			
14	Oct 21	R	13. Common Distributions	Leemis CH 4 & 5	QP8	Oct 28
15	Oct 26	T	14. More Common Distributions	Leemis CH 4 & 5		
16	Oct 28	R	15. Transformations	Leemis 7.1, 7.2 (Beginning)	QP9	Nov 4
17	Nov 2	T	16. Bivariate RVs	Leemis 6.1		
18	Nov 4	R	17. Bivariate expectation and conditional distribution	Leemis 6.3	QP10	Nov 11

19	Nov 9	T	Midterm 2 (covers Lec 8-15, Ch 3-5, topics in 7)			
20	Nov 11	R	18. Conditional expectation and independence	Leemis 6.2	QP11	Nov 18
21	Nov 16	T	19. Iterated expectaiton and bivariate transformation	Leemis 3.4 and 7.2		
22	Nov 18	R	20. More bivariate transformation	Leemis 7.2	QP12	Dec 2
23	Nov 23	T	21. Multivariate random variables	Leemis 6.5		
24	Nov 30	T	22. Random samples and order statistics	Leemis 7.2		
25	Dec 2	R	23. Inequalities and convergence	Leemis 3.5, 8.1, 8.2	QP12	Dec 9
26	Dec 7	T	24. Central limit theorem	Leemis 8.3		
27	Dec 9	R	25. Review			
	Dec 15	W 7-10PM	Final Exam (covers all Lecs, Chapters we've covered)			