

## Math 1700 Fall 2024 Tentative Schedule of Topics

Class #	Week	Date	Topics	Chapters/Sections
1	1	Tu Aug 27	Introduction, Syllabus, Math Review, Statistics, Definitions	Math Review, 1.1
2		Th Aug 29	Graphs (pie diagram, bar graphs, stem-and-leaf displays, dot plot), Frequency distributions and histograms, Measures of Central Tendency	2.1, 2.2, 2.3, 2.4
3	2	Tu Sep 3	Measures of Dispersion, Measures of Position, Box-Plot, z-scores, Bivariate Data	2.5, 3.1
4		Th Sep 5	Linear Correlation, Linear Regression	3.2, 3.3
5	3	Tu Sep 10	Probability of Events, Conditional Probability,	4.1,4.2
6		Th Sep 12	Rules of Probability, Mutually Exclusive, Independent Events	4.3, 4.4, 4.5
7	4	Tu Sep 17	Random Variable, Discrete Random Variable, Binomial Probability Distribution	5.1, 5.2, 5.3
8		Th Sep 19	<b>Review Chapters 1-5 for Exam 1</b>	2-5
9	5	Tu Sep 24	<b>Exam 1</b>	2-5
		Th Sep 26	<b>Class Canceled</b>	
10	6	Tu Oct 1	Normal Distribution, Standard Normal Distribution	6.1, 6.2, 6.3
11		Th Oct 3	Sampling Distributions, The Sampling Distribution of Sample Means, Application of the Sampling Distribution of sample means	7.1, 7.2, 7.3
12	7	Tu Oct 8	The Nature of Estimation, Estimation of Mean $\mu$ ( $\sigma$ known)	8.1, 8.2
13		Th Oct 10	Estimation of Mean $\mu$ ( $\sigma$ known), Hypothesis Test of $\mu$ ( $\sigma$ known): p-value approach, Hypothesis Test of $\mu$ ( $\sigma$ known): classical approach	8.3, 8.4, 8.5
14	8	Tu Oct 15	Inference about the mean $\mu$ ( $\sigma$ unknown)	9.1
		Th Oct 17	<b>Fall Break</b>	
15	10	Tu Oct 22	<b>Review Chapters 6-8 for Exam 2</b>	6-8
16		Th Oct 24	<b>Exam 2</b>	6-8
17	11	Tu Oct 29	<a href="#">Return and Go Through Exam 2</a>	6-8
18		Th Oct 31	Inference about the Binomial Probability of Success	9.2
19	12	Tu Nov 5	Inference about the Variance and Standard Deviation	9.3
20		Th Nov 7	Dependent and Independent Samples, Inferences concerning the Mean Difference Using Two Dependent Samples 1	10.1, 10.2
21	13	Tu Nov 12	Inferences concerning the Difference between Means Using Two Independent Samples	10.3
22		Th Nov 14	Inferences Concerning the Difference between Proportions Using Two Independent Samples	10.4, 10.5
23	14	Tu Nov 19	<a href="#">Statistics Application Lecture</a>	2-10
24		Th Nov 21	Chi-Square Statistic, Inferences Concerning Multinomial Experiments	11.1, 11.2, 11.3
25	15	Tu Nov 26	Introduction to the ANOVA, Logic Behind ANOVA	12.1, 12.2
		Th Nov 28	<b>Thanksgiving Break</b>	
26	16	Tu Dec 3	Survey of one, two, and three or more population Hypothesis Tests	8-12
27		Th Dec 5	<b>Review Chapters 9-12 for final Exam</b>	8-12
28	17	Th Dec 12	<b>Final Exam</b> 8:00 am-10:00 am	8-12