

## MSSC 6010 Fall 2024 Tentative Schedule

Class #	Week	Date	Topics
1	1	Tu Aug 27	Lecture 00. Get to Know and Syllabus/Lecture 01. Matlab Introduction
2		Th Aug 29	Lecture 02. Math Review
3	2	Tu Sep 3	Lecture 03. Generating Discrete Random Variables
4		Th Sep 5	Lecture 04. Generating Continuous Random Variables
5	3	Tu Sep 10	Homework 02. Generating Discrete Random Variables
6		Th Sep 12	Lecture 05. Continuous Probability Functions (cont.)
7	4	Tu Sep 17	Homework 03. Generating Continuous Random Variables
8		Th Sep 19	Lecture 06. Continuous Probability Functions (cont.)
9	5	Tu Sep 24	<b>Class Canceled.</b>
		Th Sep 26	Homework 04. Continuous Probability Functions
10	6	Tu Oct 1	Lecture 07. Transformation of Variables
11		Th Oct 3	Homework 05. Continuous Probability Functions (cont.)
12	7	Tu Oct 8	Lecture 08. Bivariate Transformation of Variables
13		Th Oct 10	Homework 06. Continuous Probability Homework 09. Bivariate Transformation Functions (cont.)
14	8	Tu Oct 15	<b>Exam</b>
		Th Oct 17	<b>Fall Break</b>
15	10	Tu Oct 22	Lecture 09. Bivariate Transformation of Variables (Cont.)
16		Th Oct 24	Homework 07. Transformation of Variables
17	11	Tu Oct 29	Lecture 10. Bivariate Transformation of Variables (Cont.)
18		Th Oct 31	Homework 08. Bivariate Transformation of Variables
19	12	Tu Nov 5	Lecture 11. Multivariate Transformations and MLE
20		Th Nov 7	of Variables (Cont.)
21	13	Tu Nov 12	Lecture 12. Hypothesis Testing
22		Th Nov 14	Homework 10. Multivariate Transformations and MLE
23	14	Tu Nov 19	Lecture 13. Multivariate Statistics
		Th Nov 21	Homework 11. Hypothesis Testing
24	15	Tu Nov 26	Lecture 14: The Correlation Coefficient
25		Th Nov 28	<b>Thanksgiving Break</b>
26	16	Tu Dec 3	Homework 12. Multivariate Statistics
27		Th Dec 5	Homework 13. The Correlation Coefficient
28	17	Tu Dec 10	<b>Final Exam</b> 5:45 pm-7:45 pm