

## Fall 2025 MATH 310 Calendar

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<b>Sep 1st</b> Labor Day	<b>Sep 2nd</b>	<b>Sep 3rd</b> Set Theory	<b>Sep 4th</b>	<b>Sep 5th</b> Sample Spaces and Events
<b>Sep 8th</b> Definition of Probability	<b>Sep 9th</b> Definition of Probability Cont.	<b>Sep 10th</b> Combinatorics 1: Multiplication Rule	<b>Sep 11th</b>	<b>Sep 12th</b> Combinatorics 2: Permutations and Combinations <b>Quiz 1</b>
<b>Sep 15th</b> Combinatorics and Probability 1	<b>Sep 16th</b> Combinatorics and Probability 2	<b>Sep 17th</b> Combinatorics and Probability 3	<b>Sep 18th</b>	<b>Sep 19th</b> Combinatorics and Probability 4 <b>Quiz 2</b>
<b>Sep 22nd</b> Conditional Probability	<b>Sep 23rd</b> Conditional Probability	<b>Sep 24th</b> Law of Total Probability	<b>Sep 25th</b>	<b>Sep 26th</b> Bayes' Theorem
<b>Sep 29th</b> Bayes' Theorem <b>Quiz 3</b>	<b>Sep 30th</b> Discrete Random Variables	<b>Oct 1st</b> Probability Functions	<b>Oct 2nd</b>	<b>Oct 3rd</b> Probability Function Examples
<b>Oct 6th</b> Binomial Random Variable <b>Quiz 4</b>	<b>Oct 7th</b> Continuous Random Variables	<b>Oct 8th</b> Probability Density Functions	<b>Oct 9th</b>	<b>Oct 10th</b> Cumulative Distribution Functions
<b>Oct 13th</b> Cumulative Distribution Functions	<b>Oct 14th</b> Uniform Random Variables	<b>Oct 15th</b> Jointly Distributed Discrete Random Variables	<b>Oct 16th</b>	<b>Oct 17th</b> <b>Exam 1</b>

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<b>Oct 20th</b> Review of Fubini's Theorem	<b>Oct 21st</b> Jointly Distributed Continuous Random Variables	<b>Oct 22nd</b> Independent Random Variables	<b>Oct 23rd</b>	<b>Oct 24th</b> Function of a Random Variable
<b>Oct 27th</b> Function of a Random Variable	<b>Oct 28th</b> Convolution	<b>Oct 29th</b> Expectation of a Discrete Random Variable <b>Quiz 5</b>	<b>Oct 30th</b>	<b>Oct 31st</b> Expectation of a Continuous Random Variable
<b>Nov 3rd</b> Law of the Unconscious Statistician	<b>Nov 4th</b> Expectations of Sums and Products	<b>Nov 5th</b> Indicators <b>Quiz 6</b>	<b>Nov 6th</b>	<b>Nov 7th</b> Variance and Standard Deviation
<b>Nov 10th</b> Properties of Variance	<b>Nov 11th</b> Covariance	<b>Nov 12th</b> Properties of the Binomial Distribution	<b>Nov 13th</b>	<b>Nov 14th</b> Hypergeometric Distribution
<b>Nov 17th</b> <b>Quiz 7</b>	<b>Nov 18th</b> Geometric Distribution	<b>Nov 19th</b> Poisson Distribution	<b>Nov 20th</b>	<b>Nov 21st</b> Poisson Arrival Process
<b>Nov 24th</b>	<b>Nov 25th</b> <b>Quiz 8</b>	<b>Nov 26th</b>	<b>Nov 27th</b> No Class Thanksgiving	<b>Nov 28th</b> No Class
<b>Dec 1st</b>	<b>Dec 2nd</b> <b>Exam 2</b>	<b>Dec 3rd</b>	<b>Dec 4th</b>	<b>Dec 5th</b>