

## Fall 2025 MATH 301 Calendar

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
<b>Sep 1st</b> Labor Day	<b>Sep 2nd</b>	<b>Sep 3rd</b> Linear Systems	<b>Sep 4th</b>	<b>Sep 5th</b> Gauss-Jordan Elimination
<b>Sep 8th</b> Elimination, Free Variables	<b>Sep 9th</b>	<b>Sep 10th</b> Free Variables, Vectors in $\mathbb{R}^n$	<b>Sep 11th</b>	<b>Sep 12th</b> Vector Spaces
<b>Sep 15th</b> Vector Space Examples and Properties	<b>Sep 16th</b>	<b>Sep 17th</b> Subspaces	<b>Sep 18th</b>	<b>Sep 19th</b> Linear Combination, Span
<b>Sep 22nd</b> Span	<b>Sep 23rd</b>	<b>Sep 24th</b> Span Examples, Linear Independence	<b>Sep 25th</b>	<b>Sep 26th</b> Linear Independence Calculations
<b>Sep 29th</b> Linear Independence Proofs	<b>Sep 30th</b>	<b>Oct 1st</b> Basis	<b>Oct 2nd</b>	<b>Oct 3rd</b> Coordinate Vectors
<b>Oct 6th</b> Calculations in $\mathbb{R}^n$	<b>Oct 7th</b>	<b>Oct 8th</b> Matrices	<b>Oct 9th</b>	<b>Oct 10th</b> Null Space, Column Space
<b>Oct 13th</b> Linear Transformations	<b>Oct 14th</b>	<b>Oct 15th</b> Linear and Matrix Transformations	<b>Oct 16th</b>	<b>Oct 17th</b> Matrix Transformations

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<b>Oct 20th</b> Kernel, Range	<b>Oct 21st</b>	<b>Oct 22nd</b> <div>Exam 1</div>	<b>Oct 23rd</b>	<b>Oct 24th</b> Rank-Nullity Theorem, One-to-One, Onto
<b>Oct 27th</b> Compositions of Linear Transformations	<b>Oct 28th</b>	<b>Oct 29th</b> Isomorphisms	<b>Oct 30th</b>	<b>Oct 31st</b> The Standard Matrix
<b>Nov 3rd</b> Compositions and Matrix Products	<b>Nov 4th</b>	<b>Nov 5th</b> Matrix Inverses	<b>Nov 6th</b>	<b>Nov 7th</b> The Matrix of a Linear Transformation
<b>Nov 10th</b> The Matrix of a Linear Transformation	<b>Nov 11th</b>	<b>Nov 12th</b> The Change of Basis Formula	<b>Nov 13th</b>	<b>Nov 14th</b> Inner Product Spaces
<b>Nov 17th</b> Lengths of Vectors, Fire Alarm	<b>Nov 18th</b>	<b>Nov 19th</b> Orthogonal Sets	<b>Nov 20th</b>	<b>Nov 21st</b>
<b>Nov 24th</b>	<b>Nov 25th</b>	<b>Nov 26th</b> No Class	<b>Nov 27th</b> No Class Thanksgiving	<b>Nov 28th</b> No Class
<b>Dec 1st</b>	<b>Dec 2nd</b>	<b>Dec 3rd</b>	<b>Dec 4th</b>	<b>Dec 5th</b>