Fall 2025 MATH 301 Calendar

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

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

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Dec 8th Diagonalization	**Dec 9th**	**Dec 10th** Final Exam: 5:45 PM - 7:45 PM	**Dec 11th**	**Dec 12th**