

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 | Nov 25th | Nov 26th No Class | Nov 27th No Class Thanksgiving | Nov 28th No Class |
| Dec 1st | Dec 2nd | Dec 3rd | Dec 4th | Dec 5th Exam 2 |