MATH 2076 (004) Linear Algebra - Tentative Course Schedule Spring 2026

Week	Date	Tests/Holidays	In Class
1	1/13 T		1.1 Systems of Linear Equations
			1.2 Row Reduction and Echelon Forms
	1/15 Th		1.3 Vector Equations
2	1/20 T		1.4 The Matrix Equation Ax=b
			1.5 Solution Sets of Linear Systems
	1/22 Th		1.6 Applications of Linear Systems
3	1/27 T		1.7 Linear Independence
			1.8 Intro to Linear Transformations
	1/29 Th		1.9 The Matrix of a Linear Transformation
4	2/3 T		2.1 Matrix Operations
			2.2 The Inverse of a Matrix
	2/5 Th		2.3 Characterizations of Invertible Matrices
5	2/10 T		2.8 Subspaces of R^n
	2/12 Th	**TEST 1: 1.1-2.3**	
6	2/17 T		2.9 Dimension and Rank
			3.1 Intro to Determinants
	2/19 Th		3.2 Properties of Determinants
7	2/24 T		4.1 Vector Spaces and Subspaces
			4.2 Null/Col/Row Spaces and Linear Transformations
	2/26 Th		4.3 Linearly Independent Sets; Bases
8	3/3 T		4.4 Coordinate Systems
			4.5 The Dimension of a Vector Spaces
	3/5 Th		4.6 Change of Basis
9	3/10 T		5.1 Eigenvectors and Eigenvalues
	3/12 Th	**Test 2: 2.8-4.6**	
10	3/17 T		5.2 The Characteristic Equation
			5.3 Diagonalization
	3/19 Th		5.4 Eigenvectors and Linear Transformations
11	3/24 T		6.1 Inner Product, Length, and Orthogonality
			6.2 Orthogonal Sets
	3/26 Th		6.3 Orthogonal Projections
12	3/31 T		6.4 The Gram-Schmidt Process
			6.5 Least Squares Problems
	4/2 Th		7.1 Diagonalization of Symmetric Matrices
	4/7 T	**Spring Break**	
	4/9 Th		
13	4/14 T		7.2 Quadratic Forms
	4/16 Th	**Test 3: 5.1-7.1**	
14	4/21 T		Review for Final
	4/23 Th		
15		**Final Exam Week**	Final exam date, time, and location to be determined