

Monday	Wednesday	Friday
	23-Jan	25-Jan
	Syllabus Overview + System of Linear Equation (1.1)	Matrices, Elem Row Operation, Reduced Echelon Form (1.1-1.2)
28-Jan	30-Jan	1-Feb
Consistent Matrices, Homogeneous Matrices (1.2, 1.5)	Matrix Operations (2.1) + Adjacency Matrix of a Graph	Properties of Matrix Operations (2.1 cont., 1.4)
4-Feb	6-Feb	8-Feb
Handout 1	Scalar Product, Norm, Linear Independence (1.3,1.7)	More on Linear Independence (1.7 cont.)
11-Feb	13-Feb	15-Feb
Handout 2	Matrix Inverses (2.2) + Cryptography	Inverse Matrix cont. and Determinants (2.3,3.1)
18-Feb	20-Feb	22-Feb
Handout 3	Review	Midterm 1
25-Feb	27-Feb	1-Mar
Elementary Operations and Determinants (3.2)	Vector Space (4.1)	Null Space and Range (4.2) + Subspaces
4-Mar	6-Mar	8-Mar
Computing $N(A)$ and $R(A)$ (4.2 cont.)	Spanning Subset and Bases (4.3)	Handout 4
11-Mar	13-Mar	15-Mar
Spring Vacation		
18-Mar	20-Mar	22-Mar
Spring Vacation		
25-Mar	27-Mar	29-Mar
Bases cont. and Dimension (4.5)	Rank and Orthogonal Bases (4.6)	Orthogonal and Orthonormal Sets, Gram-Schmidt Process (6.1-6.4)
1-Apr	3-Apr	5-Apr
Handout 5 + Orthogonal Projection and Least Squares	Linear Transformations (1.8,4.4) + Lin. Transf. of the Plane	Linear Transformation cont. (4.7)
8-Apr	10-Apr	12-Apr
Handout 6	Review	Midterm 2
15-Apr	17-Apr	19-Apr
Eigenvalues and Eigenvectors (5.1)	Characteristic Polynomials (5.2)	Complex Eigenvalues and Similar Matrices (5.5)
22-Apr	24-Apr	26-Apr
Handout 7	Diagonalization (5.3)	Eigenvectors and Linear Transformations (5.4)
29-Apr	1-May	3-May
Discrete Dynamical System (5.6) + Spotted Owl Population	Handout 8	Diagonalization of Symmetric Matrices (7.1)
6-May	8-May	9-May
Handout 9	Review	Reading Period