MAT 261/E
Schedule for Distance Learning
(Spring '20)

Week	Topics
April 6-10	Chapter 3 - Vector Spaces 1. The Null Space of a Matrix 2. Span and Spanning sets 3. Linear Independence 4. Basis and Dimension
April 13-17	5. Change of Basis 6. Row Space and Column Space
April 20-24	Chapter 4 - Linear Transformation 1. Linear Transformations: Definition 2. The Image and Kernel 3. Matrix Representations of Linear Transformations
April 27 - May 1	Chapter 6 - Eigenvalues and Eigenvectors 1. Introduction to Eigenvalues
May 4-8	2. Diagonalization of Matrices
May 11-15	Chapter 5 – Orthogonality 1. The Scalar Product in R
May 18-22	2. Orthogonal Subspaces 3. Inner Product Spaces
May 25-29	4. Orthonormal Sets 5. The Gram-Schmidt Orthogonal
June 1-5	Review

İTÜ Ayazağa Campus Faculty of Science and Letters, 34469 Maslak, İstanbul
Tel: +90-212-2853253   Fax: +90-212-2856386
E-mail: mat@itu.edu.tr   Web: www.mat.itu.edu.tr