MATH 350, Spring 2020
Angela Gibney

BASIC COURSE INFORMATION

Office Hours	Wednesday 11 am - noon, Hill 228
Class	Mon & Thu, 10:20-11:40 SEC - Room 220
Email	angela.gibney@gmail.com
Textbook	Friedberg, Insel, Spence
	Linear Algebra, (fifth edition)

HOMEWORK PROBLEMS

Information coming soon.

COURSE SCHEDULE AND HOMEWORK (PRELIMINARY)

Th Jan 23	Abstract vector spaces
M, Th Jan 27, 30	Vectors, linear relations, linear system of equations
M, Th Feb 3, 6	Bases and dimension
M, Th Feb 10, 13	Linear transformations and isomorphisms
M, Thu Feb 17, 20	Matrix representations and change of coordinates
M, Thu Feb 24, 27	**Midterm Week**
M, Thu Mar 2, 5	Determinants and their properties
M, Thu Mar 9, 12	Eigenvalues, eigenvectors, diagonalizability
M, Th Mar 16, 19	Spring Break
M, Th Mar 23, 26	Jordan forms, minimal polynomial
M, Th Mar 30, Apr 2	Cayley-Hamilton, direct sums, Jordan blocks
M, Th Apr 6, 9	Inner product spaces, orthonormal bases
M, Th Apr 13, 16	**Midterm Week**
M, Th Apr 20, 23	Normal and self-adjoint operators
M, Th Apr 27, 30	Orthogonal operators, classification of isometries
Mon May 4	**Final Exam Review/Practice**

GRADING POLICY

Exam 1	25%
Exam 2	25%
Homework + quizes	20%
Final Exam	30%