

MATH 3242 Fall 2015 MWF 9:10-10:05
Linear Algebra

TEXT: Linear Algebra with Applications (9th edition) Stever Leon

Instructor: Pei-Kee Lin Office: DH 241 e-mail id "pklin"

Phone: 3143 Office Hour: MWF 8:10-9:00

Aug 24, 26, 28, 31	Chapter 1 sec 1.1-1.5 Matrix algebra and elementary matrix
Sep 2, 4	Chapter 2 Determinants sec 2.1-2.2
Sept 9, 11, 14, 16	Chapter 3 sec 3.1-3.4 vector spaces subspaces, linear independence, basis, and dimension
Sept 18	Exam I
Sept 21, 23, 25, 28, 30	Chapter 3 sec 3.5 and 3.6 change of basis, row spaces, and column spaces
Octo 2, 5, 7	Chapter 4 sec 4.1-4.3 matrix representations and linear transformation
Octo 9, 14	Chapter 5 5.1-5.2 inner product and orthogonal subspaces
Octo 16	Exam II
Octo 19, 21, 23, 26, 28	Chapter 5 sec 5.3-5.7 Gram-Schmidt orthogonalization process
Ocot 30, Nov 2, 4	Chapter 6.1-6.2
Nov 6	Exam III
Nov 9, 11, 13, 16, 18, 20, 22	Chapter 6 eigenvalues and eigenspaces
Nov 30, Dec 2	Review
Dec 4, 10:30-12:30	Final Exam (check the schedule)

3 Tests	each 100 points
Quizzes and Homework	Total 100 points (may drop one or two lowest quizzes grade(s))
Final	200 points

		A	above 558	A-	540-557
B^+	522-539	B	498-521	B-	480-497
C^+	462-479	C	438-461	C-	420-439
		D	360-419		
		F	below 419		