APPLIED LINEAR ALGEBRA
MATH 167
Winter Quarter, 2010

INSTRUCTOR: Blake Temple, 3148 MSB, 752-2214
Lecture: MWF 3:10-4:00pm, 119 WELLMAN
Office Hours: MWF 4:00-5:00 or by appt.
e-mail: temple@math.ucdavis.edu
Web Page: http://www.math.ucdavis.edu/∼ temple/MAT167/
Midterm: Friday, February 12, (in class)
Final Exam: Monday, December 8, 3:30-5:30
TA: Moritz Rientes, Office 2139 MSB, Office Hours We 2-3pm and Thurs 12-1

TEXT: *Linear Algebra And Its Applications*, Gilbert Strang
Sections: 1.1-1.7; 2.1-2.4, 2.6; 3.1-3.4; 5.1-5.6; 6.3
(If time permits: 3.5; 6.1,6.2)

PREREQUISITE: MAT 22A or MAT 67

GRADING: Midterm=100pts; Final =200pts; Total=300pts; A=90-100%; B=80-89%; C=65-79%; D=50-64% (Guaranteed, but I can lower the curve based on my judgement). Homework from the book will be collected and graded every week. Homework score will (at most) adjust grade by a ± according to my judgement. No makeup homework. There will be three matlab homework assignments, two are applications of least squares, and one an application of the singular value decomposition to image processing. All matlab commands will be provided, but you are asked to perform the steps outlined, explain in your own words what they do, and print the output to hand in.