

ESE 502 Fall 2009; October 6

Class	Topics	Sections	Reading
5	Minimal Polynomial	3.6	
	Cayley-Hamilton Theorem	3.6	Problem 3.26 – 3.28
	Matrix Function Examples	Sec. 3.6 & Notes	
	Lyapunov Equation	3.7	3.8
	Quadratic Forms	3.9	
	Singular-Value Decomposition	3.10	

Homework:

Chapter 3: Problems 18 (minimal polynomial), 19, 20, 21, 22, 29, 30, 31, 33, 34, 35, 36, 37, and 38, pp. 82 – 84.