

Kapitelrubrik och ungefärligt antal utdelade sidor
Lecture title and approximate number of pages handed out

1. Matrix-Vector Multiplication	8
2. Orthogonal Vectors and Matrices	8
3. Norms	13
4. The Singular Value Decomposition	13
5. More on the SVD	5
6. Projectors	7
7. QR Factorization	7
8. Gram-Schmidt Orthogonalization	5
9. Matlab	6
10. Householder Triangularization	7
11. Least Squares Problems	10
12. Conditioning and Condition Numbers	11
13. Floating Point Arithmetic	4
14. Stability	5
15. More on Stability	5
16. Stability of Householder Triangularization (summary)	2
17. Back Substitution (summary)	1
18. Conditioning of Least Squares Problems (summary)	2
19. Stability of Least Squares Algorithms	8

20. Gaussian Elimination (summary)	3
21. Pivoting (summary)	
22. Stability (summary)	
23. Cholesky Factorization	8
24. Eigenvalue Problems	8
25. Overview of Eigenvalue Algorithms	3
26. Reduction to Hessenberg or Tridiagonal Form	3
27. Rayleigh Quotient, Inverse Iteration	9
28. QR Algorithm without Shifts	12
Overview	1