

# Linear Algebra

## Syllabus

Ec. 720  
Syllabus

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Fall 2003

Topic	Handouts	Simon & Blume
1. Introduction		Chs. 6, 8
2. Vector Spaces: Groups, Fields, Vector Spaces	Vector Spaces	Chs. 10, 11, 27, 28
3. Linear Equations	Linear Equations	Chs 7, 8
4. Determinants	Determinants	Chs. 9, 26
5. Metric Spaces: Distance, Angle, Inner Product	Matrix Algebra, 1.0	Sec. 10.4
6. Eigensystems	Matrix Algebra, 2.0	Ch. 23
7. Real Symmetric Matrices and Quadratic Forms	Matrix Algebra, 3.0	Ch. 16