

APPLIED MATHEMATICS 671 "NUMERICAL LINEAR ALGEBRA"

Calendar Description: H(3-0)

Iterative and elimination methods for linear systems of equations, determination of eigenvalues, linear and convex programming.

Prerequisite: Applied Mathematics 441 and Applied Mathematics 491

Syllabus

<u>Topics</u>	<u>Number of Hours</u>
Fundamentals	5
QR factorization and least squares	5
Conditioning and stability	7
Systems of equations	5
Eigenvalues	7
Iterative methods	7

	36
