

MATH 409/509 – Applied Numerical Methods II – Spring 2010
CRN - 22468

Instructor: H. Kaneko, Ph.D.
Professor of Mathematics
Office: ECS 2214
Phone: 683-3882
Email: hkaneko@odu.edu

Time & Place: TR 11:00-12:15, Ed 128

Office Hours: TR 13:30-15:30.

Textbooks: **Numerical Analysis, by Timothy Sauer**
Pearson, Addison/Wesley
Chapters 7, 4, 12, 8, 10

Course Overview: Math 409/509 is a three credit introductory course to the fundamentals of computational linear algebra and its applications. Topics will include singular value decomposition, numerical methods for eigenvalue problem, least-squares approximation, QR factorization, boundary value problems and trigonometric interpolation.

Prerequisite: Math 212 and 316.

Grading: There will be 2 in-class tests and a comprehensive final exam.

Assignments: 30%
Tests: 40%
Final exam: 30%.

Makeup Policy: No makeup tests, unless exceptional circumstances such as illness requiring a physician's care can be documented.

Important Dates: Jan 16-18 MLK Day Holiday
March 8-13 Spring Holiday
April 4 Easter
April 27 Classes end

Thursday, May 6, 3:45-6:45pm – Final Exam

