NAME & Places: (hometowns, etc)

Year & Programs: (3^{rd} year MATH/APMA, for example)

E-Mail (req) & Local Phone (opt):

Quantitative Courses: (term taken & text)

calculus & advanced calculus

linear algebra & analysis

courses with computing

quantitative courses (sciences, economics, etc)

Matlab & Maple – Experience: (yes/no)

Matlab & Maple – Access: (lab and/or home)

Other Computing Experience: (software, programming languages, web design)

Subjects of Interest: (specific areas of math, sciences, etc)

Mathematical Focus: rank in order of priority (1 = most, 3 = least)

[ ] analysis/theory [ ] applications [ ] computing & graphics

Personal Course Objectives: goals for this class & future plans

Familiarity Scale: I know it ...

5 ... in my sleep

4 ... after a bit of thinking

3 ... if I can look it up in a book

2 ... should I see it in class again

1 ... vaguely from a previous exam question I couldn't answer

0 ... is something I have never seen before

-7 ... is a subject to be avoided at all costs

Mathematical Topics: use above scale

- CALC: implicit (partial) differentiation
- CALC: multi-variable chain rule & change of variables
- CALC: multiple integrals
- CALC: theorems of Green & Stokes
- LIN ALG: solution methods for systems of linear equations
- LIN ALG: existence & uniqueness of solutions for systems of linear equations
- LIN ALG: matrix eigenvalues & eigenvectors
- LIN ALG: matrix diagonalization of matrices
- LIN ALG: Jordan canonical form
- ODEs: solution methods for 2^{nd}-order linear ODEs
- ODEs: using initial conditions for 2^{nd}-order linear ODEs
- ODEs: linear systems
- ODEs: eigenfunctions
- ODEs: nonlinear ODEs & phase planes
- COMPLEX: complex exponential notation
- COMPLEX: complex contour integration