NAME & Places: (hometowns, etc)

SFU e-mail

Year & Programs: (4^{th} year MATH/APMA, for example)

Quantitative Courses: (term taken & text)

linear algebra, ODEs & PDEs

adv. calculus & analysis

probability & adv. statistics

courses with computing

current courses

Matlab & Maple – Experience: (yes/no)

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

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

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

Future Plan: (area of employment, grad school field, etc)

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 ... should I see it in class again

2 ... if I can wikipedia it

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

0 ... huh?

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

Mathematical Topics: use above scale

☐ CALC: limit definitions of differentiation (difference quotient) & integration (Riemann sum)

☐ CALC: convergence properties of series

☐ CALC: Fourier series & Fourier transforms

☐ LIN ALG: basis vectors & change of basis

☐ LIN ALG: matrix eigenvalues & eigenvectors

☐ PROB: expected values, mean & variance

☐ PROB: independence, conditional probablity & Bayes' law

☐ PROB: probability & cumulative distribution functions

☐ ODEs: theory of 1^{st}-order ODEs with initial condition

☐ ODEs: solution of linear 2^{nd}-order & 1^{st}-order vector ODE systems

☐ COMP: integration formulas: midpoint & Simpson's rules

☐ COMP: Euler's method for numerically solving 1^{st}-order ODEs