

Math 126A Fall 2000

Name:

Did you take a Calculus A.P. exam? If so, which one and what was your score?

What do you think you will major in?

Do you own a graphing calculator? If so, what kind?

What kinds of computers have you used? (e.g., PC running some form of windows, Mac, computer running Unix or Linux)

Have you ever used a computer algebra system, such as Maple, Mathematica, or Derive? If so, what system(s)?

Here is a list of some of the topics in the course. Check any that you have seen.

- Inverse functions and their derivatives
- Logarithms, exponentials, and their derivatives
- Growth and decay problems
- L'Hopital's Rule
- Relative rates of growth
- Inverse trig functions and their derivatives
- First order differential equations
- Integration by parts
- Integration by partial fractions
- Integration by trig substitution
- Limits of sequences
- Infinite series
- Taylor and Maclaurin series
- Parametrized curves
- Calculus with parametrized curves
- Polar coordinates
- Integration in polar coordinates

What is your favorite movie?