

Math 200 – Multivariable Calculus

Student Learning Outcomes

1. Parametrize curves and surfaces in space.
2. Determine extreme values of functions of several variables.
3. Set up and evaluate double and triple integrals that represent areas and volumes.
4. Set up and evaluate line and surface integrals that represent work and flux.
5. Apply an appropriate Fundamental Theorem of Calculus to evaluate line and surface integrals.
6. Solve problems from the sciences using vector calculus.