MATH-S 312 18777 Honors Course in Calculus IV  
Paul Kirk  
Daily 10:10-11:00 a.m.  
SY 105  

MATH–M 312 Calculus IV (3 cr.) P: M311. Differential calculus of vector-valued functions, transformation of coordinates, change of variables in multiple integrals. Vector integral calculus: line integrals, Green’s theorem, surface integrals, Stokes’s theorem and consent of mathematics department.