S414 17901 – Honors Course in Analysis II
Professor David Hoff
TuTh 9:30-10:45am
WH 121

Meets with MATH-M 414

Honors Course in Analysis II (3 cr.) P: S413 or consent of instructor.

Differentiable transformations defined on Euclidean space, inverse and implicit function theorems. Lebesgue integration over Euclidean space and transformation of integrals. Exterior algebra, measure and integration on manifolds. Stokes's theorem. Closed and exact forms.