Catalog Description: 
Vector operations; Jacobian and change of variables; div, grad and curl; Green's Stokes', and divergence theorems; applications.

Prerequisite: 
C- or better in 2153, 2162.xx, 2173, or 2182H; or credit for 254.xx, 263.xx or 263.01H.

Exclusions: 
Not open to students with credit for Math 4182H, 264H, 513 or 551.

Text: 

Topics List: 
1. Vector operations, multiple integrals, line and surface integrals.
2. Vector operators: div, grad, and curl.
3. Jacobians and change of variables.
5. Divergence Theorem.
6. Applications.