

# El E 340: Electrical Engineering Analysis I Electrical Engineering

Vector differential calculus; line, surface, and volume integrals of vector functions; complex numbers, limits, analytical functions, and derivatives; line integrals; Cauchy's theorem and formula; Taylor and Laurent series; residue theory.

## **Prerequisites**

- Math 264: Unified Calculus & Analytic Geometry IV
- Math 353: Elementary Differential Equations
- Pre-Requisite: 24 Earned Hours

### Instruction Type(s)

• Lecture: Lecture for El E 340

### **Subject Areas**

• Electrical, Electronics and Communications Engineering, Other

#### **Related Areas**

- Electrical and Electronics Engineering
- Laser and Optical Engineering
- Telecommunications Engineering

