

El E 340: Electrical Engineering Analysis I Electrical and Computer 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.

3 Credits

Prerequisites

- <u>Math 264: Unified Calculus & Analytic Geometry IV</u>
- <u>Math 353: Elementary Differential Equations</u>
- 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
- <u>Telecommunications Engineering</u>

