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

- 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

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