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.

3 Credits

Prerequisites
- Math 264: Unified Calculus & Analytic Geometry IV
- Math 353: Elementary Differential Equations

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