

## EI E 536: Introduction to Quantum Computing

Introduction to quantum computing; single-qubit systems; multiple qubit systems; measurement; entanglement; simple quantum gates; quantum versions of classical computations; quantum algorithms; running simple codes on a quantum computer or simulator.

## 3 Credits Prerequisites

• Prerequisite: Engr 310 OR Graduate Standing

## Instruction Type(s)

• Lecture: Lecture for El E 536

## **Subject Areas**

- Electrical and Electronics Engineering
- Computer Engineering, General

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