

## **EI E 536: Introduction to Quantum Computing**

### **ELECTRICAL ENGINEERING**

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 EI E 536

### **Subject Areas**

- [Electrical and Electronics Engineering](#)
- [Computer Engineering, General](#)

