

# Phys 731: Quantum Field Theory I

## [Physics & Astronomy](#)

Quantized relativistic fields. QED. Renormalization. Gauge fields. Spontaneous symmetry breaking. Electroweak interactions. QCD.

3 Credits

### Prerequisites

- [Phys 711: Quantum Mechanics I](#)

### Instruction Type(s)

- Lecture: Lecture for Phys 731

### Subject Areas

- [Elementary Particle Physics](#)

### Related Areas

- [Acoustics](#)
- [Atomic/Molecular Physics](#)
- [Condensed Matter and Materials Physics](#)
- [Nuclear Physics](#)
- [Optics/Optical Sciences](#)
- [Physics\\_General](#)
- [Physics\\_Other](#)
- [Theoretical and Mathematical Physics](#)

