

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](#) \$target.descriptions.MinimumGrade\$

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](#)

