

# 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**

- <u>Acoustics</u>
- <u>Atomic/Molecular Physics</u>
- <u>Condensed Matter and Materials Physics</u>
- <u>Nuclear Physics</u>
- Optics/Optical Sciences
- <u>Physics, General</u>
- Physics, Other
- Theoretical and Mathematical Physics

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