

## 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**

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

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.

