

**Physics 215C**  
**Particles and Fields**

**Instructor:** Prof. Elizabeth Jenkins  
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**Course Schedule:**  
Lectures TuTh 11:00–12:20 pm Mayer Hall 4861

**Course Texts:**  
M.E. Peskin and D.V. Schroeder, *An Introduction to Quantum Field Theory*, Perseus Books Publishing (1995)

**Course Outline:**  
Path Integrals continued  
Gauge Field Theories  
Spontaneous Symmetry Breakdown and Goldstone's Theorem  
Higgs Mechanism  
Standard Model of Electroweak Interactions  
QCD  
Special Topics