Physics

PHYS 582  **General Field Theory**  credit: 4 hours.
Standard techniques of field theory as used by experimenters and theorists; relativistic quantum mechanics of a single particle; Lagrangian field theories, perturbation theory, and calculation of lowest-order processes; introduction to Feynman diagrams and higher order processes; examples taken from quantum electrodynamics, solid-state and elementary particle physics, and many-body theory. Prerequisite: PHYS 581.

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<th>CRN</th>
<th>Type</th>
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<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<td>30717</td>
<td>Lecture</td>
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<td>MW</td>
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<td>Leigh, R</td>
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Restricted to Graduate - Urbana-Champaign.