## Class Schedule - Fall 2018

### Physics

**PHYS 402  Light**  
Credit: 3 or 4 hours.

Wave kinematics; geometrical optics: basic concepts, ray-tracing and matrix formalism, Gaussian imaging by thick lenses, stops, apertures, and intensity relations; interference; interference spectroscopy and coherence; diffraction: Fresnel-Kirchhoff formulation, Fraunhofer case, Fresnel case, and holography; polarized light. 4 undergraduate hours. 3 or 4 graduate hours. (3 hours without lab).

Prerequisite: MATH 285; PHYS 102 or PHYS 214.

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<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>33052</td>
<td>Lecture</td>
<td>AA</td>
<td>11:00 AM - 12:20 PM</td>
<td>MW</td>
<td>136 - Loomis Laboratory</td>
<td>Abbamonte, P</td>
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<tr>
<td>47625</td>
<td>Lecture</td>
<td>BB</td>
<td>11:00 AM - 12:20 PM</td>
<td>MW</td>
<td>136 - Loomis Laboratory</td>
<td>Abbamonte, P</td>
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Credit Hours: 3 hours  
Restricted to Graduate - Urbana-Champaign.  
Graduate students (only) may enroll in the AA lecture (and no laboratory) for 3 hours credit.

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<th>CRN</th>
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<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>32781</td>
<td>Laboratory</td>
<td>BL1</td>
<td>09:00 AM - 11:50 AM</td>
<td>T</td>
<td>6107 - Engineering Sciences Building</td>
<td>Banerjee, P</td>
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<td>32782</td>
<td>Laboratory</td>
<td>BL2</td>
<td>02:00 PM - 04:50 PM</td>
<td>W</td>
<td>6107 - Engineering Sciences Building</td>
<td>Banerjee, P</td>
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<tr>
<td>70731</td>
<td>Laboratory</td>
<td>BL3</td>
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<td>R</td>
<td>6107 - Engineering Sciences Building</td>
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