Chemistry

CHEM 442  **Physical Chemistry I**  credit: 4 hours.
Lectures and problems focusing on microscopic properties. CHEM 442 and CHEM 444 constitute a year-long study of chemical principles. CHEM 442 focuses on quantum chemistry, atomic and molecular structure, spectroscopy and dynamics. Credit is not given for both CHEM 442 and PHYS 485. Prerequisite: CHEM 204 or CHEM 222; MATH 225 or MATH 415, and a minimal knowledge of differential equations, or equivalent; and PHYS 211, PHYS 212, and PHYS 214 or equivalent.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>31627</td>
<td>Lecture</td>
<td>A</td>
<td>09:00 AM - 09:50 AM</td>
<td>MWF</td>
<td>112 - Transportation Building</td>
<td>Hammes-Schiffer, S</td>
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<tr>
<td>31628</td>
<td>Lecture</td>
<td>B</td>
<td>10:00 AM - 10:50 AM</td>
<td>MWF</td>
<td>165 - Noyes Laboratory</td>
<td>Hirata, S</td>
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