Physics

PHYS 509  **Mathematical Physics II**  credit: 4 hours.
Continuation of PHYS 508. Further core techniques of mathematical physics widely used in the physical sciences. Complex variables; group theory in classical and quantum systems; tensors in physics; differential forms and their applications in mechanics; electromagnetism. Prerequisite: PHYS 508.

<table>
<thead>
<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>49905</td>
<td>Lecture</td>
<td>A</td>
<td>12:30 PM - 01:50 PM</td>
<td>TR</td>
<td>158 - Loomis Laboratory</td>
<td>Stone, M</td>
</tr>
</tbody>
</table>