Physics

PHYS 326  **Mechanics and Relativity II**  credit: 3 hours.
Continuation of PHYS 325. Topics include Lagrangian techniques and the calculus of variations, central force motion, scattering, coupled oscillations, the wave equation in one dimension, generalized coordinates and the Hamiltonian formulation, relativistic dynamics, Euler angles and tops, non-linear and fluid dynamics. Prerequisite: PHYS 325; credit or concurrent registration in MATH 380; or consent of instructor.

<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>38582</td>
<td>Lecture</td>
<td>A</td>
<td>02:30 PM - 03:50 PM</td>
<td>MW</td>
<td>144 - Loomis Laboratory</td>
<td>Junk, T</td>
</tr>
<tr>
<td>38584</td>
<td>Discussion/Recitation</td>
<td>D1</td>
<td>06:00 PM - 06:50 PM</td>
<td>W</td>
<td>236 - Loomis Laboratory</td>
<td>Fleck, P</td>
</tr>
<tr>
<td>38585</td>
<td>Discussion/Recitation</td>
<td>D2</td>
<td>07:00 PM - 07:50 PM</td>
<td>W</td>
<td>236 - Loomis Laboratory</td>
<td>Fleck, P</td>
</tr>
<tr>
<td>38586</td>
<td>Discussion/Recitation</td>
<td>D3</td>
<td>08:00 PM - 08:50 PM</td>
<td>W</td>
<td>236 - Loomis Laboratory</td>
<td>Fleck, P</td>
</tr>
</tbody>
</table>