Engineering

ENG 491  **Interdisciplinary Design Proj**  credit: 1 TO 4 hours.
Disciplined, multi-department, team-structured project design experience with an overall (or major phase) end-of-term completion date. Projects involve design specification through a proposal, analyses of cost and other tradeoffs among alternative designs, design review, fabrication and assembly, functional and environmental testing, and demonstrations (as applicable). Reports and presentations at the end of each term. Individual engineering activities as well as team responsibilities. 1 to 4 undergraduate hours. No graduate credit. Senior standing required. May be repeated. Credit toward the degree is determined by the student’s major department. Prerequisite: 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>67346</td>
<td>Lecture-Discussion</td>
<td>HYP</td>
<td>04:00 PM - 05:50 PM</td>
<td>R</td>
<td>204 - Transportation Building</td>
<td>Johnson, B</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours
Hyperloop Pod Competition
Instructor Approval Required
Restricted to students with Senior class standing.
Advance work on the Hyperloop Pod for the SpaceX Hyperlink Competition. This course is the first in the two-semester design series. The second semester ENG 491 470 is in the spring and counts for ME students as senior design credit.

| 51964| Laboratory-Discussion | SAE     | 04:00 PM - 05:50 PM | M    | 314 - Altgeld Hall             | Philpott, M |

Credit Hours: 3 hours
Automotive Design Projects
Instructor Approval Required
Advance work on SAE Formula Car. This course is the first in the design series. The second semester ENG 491 470 is in the spring and counts for ME students as senior design credit.