Class Schedule - Fall 2012

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. 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>41009</td>
<td>Lecture</td>
<td>CU1</td>
<td>12:00 PM - 12:50 PM</td>
<td>MW</td>
<td>106B6 - Engineering Hall</td>
<td>Carney, S Carroll, D Coverstone, V Dragic, P</td>
</tr>
<tr>
<td>55790</td>
<td>Lecture</td>
<td>CU2</td>
<td>12:00 PM - 12:50 PM</td>
<td>MW</td>
<td>1302 - Siebel Center for Comp Sci</td>
<td>Carroll, D Dragic, P</td>
</tr>
<tr>
<td>51964</td>
<td>Laboratory-Discussion</td>
<td>SAE</td>
<td>03:00 PM - 05:50 PM</td>
<td>M</td>
<td>-</td>
<td>Philpott, M</td>
</tr>
<tr>
<td>41920</td>
<td>Lecture</td>
<td>SD</td>
<td>05:00 PM - 06:20 PM</td>
<td>MR</td>
<td>204 - Agricultural Engr Sciences Bld</td>
<td>Wang, X</td>
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</tbody>
</table>

**Cubesat 1**  
Please contact the instructor for an evaluation of your prerequisites before registering for the course.

**Cubesat 2**  
Please contact the instructor for an evaluation of your prerequisites before registering for the course.

**Credit Hours: 3 hours**  
SAE Formula Car  
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.

**Credit Hours: 3 hours**  
Engr Design Solar Decathlon  
Instructor Approval Required  
Engineering Design for Solar Decathlon. Students will design and build energy efficient mechanical systems, power system, and control system for a solar-powered house for the Solar Decathlon China 2013. The solar home will be constructed in China during 2012 and 2013. Dates and times listed are subject to change before the Fall 2012 semester. Meets in 204 AESB.