Class Schedule - Spring 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>39190</td>
<td>Laboratory-Discussion</td>
<td>470</td>
<td>04:00 PM - 05:50 PM</td>
<td>M</td>
<td>106B3 - Engineering Hall</td>
<td>Philpott, M</td>
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<tr>
<td>55653</td>
<td>Lecture</td>
<td>CU1</td>
<td>12:00 PM - 12:50 PM</td>
<td>MW</td>
<td>252 - Mechanical Engineering Bldg</td>
<td>Carney, S, Carroll, D, Coverstone, V, Dragic, P</td>
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<tr>
<td>41432</td>
<td>Laboratory</td>
<td>CU2</td>
<td>12:00 PM - 12:50 PM</td>
<td>MW</td>
<td>106B6 - Engineering Hall</td>
<td>Carroll, D, Dragic, P</td>
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<tr>
<td>45129</td>
<td>Laboratory</td>
<td>EWB</td>
<td>ARRANGED</td>
<td>-</td>
<td>-</td>
<td>Litchfield, J</td>
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<tr>
<td>47381</td>
<td>Lecture</td>
<td>SD</td>
<td>ARRANGED</td>
<td>-</td>
<td>-</td>
<td>Wang, X</td>
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<tr>
<td>39675</td>
<td>Lecture</td>
<td>SSD</td>
<td>ARRANGED</td>
<td>-</td>
<td>106B6 - Engineering Hall</td>
<td>Clifton, R, Lilly, B, Singer, A</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours
Instructor Approval Required
Formula SAE design course

Small Satellite Design. ENG 491 section CU1 is a required prerequisite. Instructor Permission Required.

Credit Hours: 3 hours
Instructor Approval Required
Restricted to students with Senior class standing.
START UP SENIOR DESIGN Two-course sequence in which students gain design experience as well as hands-on experience in launching a startup. This is a continuation of a class held during the Fall semester. Students participate in engineering and venture creation activities with individual as well as team responsibilities. For the second term, student teams will develop their own technology and will launch a venture to develop a prototype (or reach a pre-determined milestone if a prototype is not feasible).
Students will present their ventures at an end-of-year venture fair and demonstration day, open to the public and attended by the CEC leadership and member companies. Students must complete an application and be approved in order to enroll. For application materials, please see www.tec.illinois.edu. Days, times, and location to be arranged.