Engineering

ENG 571  **Theory Energy & Sustain Engrg**  credit: 3 OR 4 hours.
Mathematical, scientific, engineering, and economic bases needed to analyze sustainable energy systems and civil infrastructure. Evaluation of current practice and future development of (i) energy extraction and conversion processes from geological, biological, and non-biological resources; (ii) energy usage for transportation, in residential and commercial buildings, and by industry. 3 or 4 graduate hours. No professional credit. Prerequisite: Credit or concurrent registration in ENG 471.

<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>55716</td>
<td>Lecture-Discussion</td>
<td>A</td>
<td>03:00 PM - 03:50 PM</td>
<td>MWF</td>
<td>112 - Transportation Building</td>
<td>Abelson, J</td>
</tr>
<tr>
<td>62376</td>
<td>Lecture-Discussion</td>
<td>B</td>
<td>ARRANGED -</td>
<td>-</td>
<td>-</td>
<td>Abelson, J</td>
</tr>
</tbody>
</table>

Departmental Approval Required
Registration in this video recorded section is reserved for students enrolled in the MEng Energy Systems or in the EaSE certificate who cannot take ENG 571-A in the spring semester. A monthly discussion session will be scheduled.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>65418</td>
<td>Online</td>
<td>ONL</td>
<td>ARRANGED -</td>
<td>-</td>
<td>Abelson, J</td>
</tr>
</tbody>
</table>

Restricted to MS: Civil Engr - Online - UIUC, MCS:Computer Sci Online -UIUC, MS:Industrial Engr Online-UlUC, MS:Mechanical Engineering -UIUC, MS:Env Engr CivilEngr ONL-UlUC, MS: Aerospace Engr-Online-UlUC, NDEG:Grad Nondegree-CE-UlUC, or MENG:Mech Engineering Onl-UlUC.
Restricted to online non-degree, online MCS, online MSME, online MSCEE, and online MSAE students. Center for Innovation in Teaching & Learning (CITL) restrictions and assessments apply, see https://online.illinois.edu. For more details on this course section, please see http://engineering.illinois.edu/online/courses/.