Engineering

ENG 471  **Seminar Energy & Sustain Engrg**  credit: 1 hours.
Challenges of developing energy systems and civil infrastructure that are sustainable in terms of resource availability, security, and environmental impact. Guest lecturers focus on: (i) global challenges -- future energy demand, geologic sources of energy, climate change, energy-water nexus, energy and security; (ii) markets, policies and systems -- economic incentives, policy and law, life cycle analyses; (iii) opportunities for change -- CO2 sequestration, renewable power, bioenergy feedstocks, biofuels for transportation, energy use in buildings, advanced power conversion, the smart grid. Prerequisite: MATH 220 or MATH 221; one of CHEM 104, CHEM 204, PHYS 101, PHYS 211. Recommended: NPRE 201.

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<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
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<th>Location</th>
<th>Instructor</th>
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</table>
| 61836 | Lecture-Discussion    | A       | 04:00 PM - 04:50 PM | W    | 403B2 - Engineering Hall | Abelson, J  
Singer, C |
|      |                       |         |                 |      |                        |             |
| 58954 | Online                | ONL     | ARRANGED -      |      |                        | Abelson, J  
Singer, C |

Restricted to MS: Civil Engr - Online - UIUC, MCS:Computer Sci Online -UIUC, MS:Mechanical Engineerng -UIUC, NDEG:Grad Nondegree-CE-UlUC, or NDEG:Undergrad Nondeg-CE-UlUC.
Restricted to online non-degree, online MCS, online MSME and online MS CE students. Online & Continuing Education (OCE) restrictions and assessments apply, see http://www.oce.illinois.edu. For more details on this course section, please see http://online.dev. engr.illinois.edu/current-students/course-information/fall-2013-credit-course-offerings.
OCE Tuition $1017.00 per Bill Hour, and OCE Fees $50.00 per Bill Hour.