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***Advising and Early Registration for Spring**

Advising sign-ups began on Monday, October 15 (some faculty will be out of town so sign-up early). Advising will be held from Monday, October 22 through Friday, November 2. Registration begins on Monday, October 29. To obtain an appointment with your advisor, please login at <https://my.ae.uiuc.edu/advising/> using your bluestem login

***AE 199 (Discovery Course) Optimization in Theory and in Life Spring 2008 MWF 2:00-2:50**

Fundamental principles of mathematical optimization theory will be introduced and applied, for example, to problems in engineering, business, and politics. It will also be shown how they apply to "real world" problems such as grocery shopping, planning a retirement portfolio, or catching a fly ball. Students will research and numerically model a problem of their choice. Prerequisite: Math 220 or 221 or equivalent <http://www.ae.uiuc.edu/people/faculty/conway.html>. This is a first year Discovery Program Course. Registration restricted to freshmen.

Many of the examples will be drawn from aerospace engineering, e.g. showing how trajectories for spacecraft and aircraft are optimized.

***Job Shadow Program (Freshmen & Sophomores only) Wednesday, October 17 at 5:00 pm, in 1310 DCL**

This program provides an opportunity for freshmen and sophomores to learn what it means to be an engineer and see if you are on the right career path. The NEW Engineering Job Shadow Program sponsored by Engineering Career Services will be a one or two day visit with an employer over winter break. www.uiucengineeringjobs.com

This meeting is to inform students what is expected and how to submit resumes. There are over 20 employers involved, which covers all of the engineering majors. You must be registered in Symplicity <http://www.uiucengineeringjobs.com> then you will be eligible to sign-up for the Job Shadow Program at http://www.engr.uiuc.edu/ecs/students/job_shadow.php.

***WIA Corn Maze Trip**

Saturday, October 20, 2007, meet at the Union (circle Drive) at 5:00 pm

All are invited to join WIA on a trip to Hardee's Reindeer Ranch! There will be hot dog roasting hayrides and a huge corn maze! The cost will be \$5.00. Please RSVP uiuc.wia@gmail.com by

Wednesday, October 27th the number in your party and if you have a car and would be willing to drive.

***Sigma Gamma Tau Professor Lecture Series Part 2**

Tuesday, October 23 at 5:00 pm, Room TBA

Professor Timothy Bretl is a new Professor in the department. You are invited to get to know the man the myth the legend. Food and drinks are provided by Sigma Gamma Tau. Questions contact William Wheeler at wwhee2@uiuc.edu.

***NASA Reduced Gravity Systems Engineering Senior Design Flight Project Overview**

Proposal Deadline: Wednesday, October 31, 2007

NASA has identified ongoing projects that are systems engineering and reduced gravity related. Applications for these projects are available to all undergraduate students (at least 18 years-of-age, US Citizens and enrolled full-time in a college or university) as senior design projects. 10 projects will be selected to participate in this opportunity.

Team composition must include these four members:

- 1 - faculty member
- 1 - undergraduate senior
- 2 - other undergraduate students

For project applications and detailed information on how undergraduate teams can participate in this NASA Reduced Gravity Systems Engineering Senior Design Flight Project, visit:

<http://microgravityuniversity.jsc.nasa.gov/SE/>

***Paid Summer Opportunities for Undergraduates at Naval Laboratories**

Application opens October 15, 2007; deadline January 14, 2008

The American Society for Engineering Education (ASEE) is administering The Naval Research Enterprise Intern Program (NREIP) sponsored by the Office of Naval Research (ONR).

NREIP is a ten week summer research opportunity for undergraduate Juniors & Seniors under the guidance of a mentor, at a participating Navy Laboratory (list of participating universities is available at <http://www.asee.org/nreip>). The stipend amounts for the program are \$5,500 for undergraduate students. U.S. citizenship required; Permanent residents accepted at certain labs.

To learn more about the program, you can visit <http://www.asee.org/nreip>. Direct any questions to nreip@asee.org.

***Opportunities with the D. E. Shaw group**

The D. E. Shaw group invites all interested UIUC students to apply for positions with the firm. We currently have openings in our investment management and technology development businesses, including roles in trading, business development, quantitative analysis, software development, information technology, computer architecture, computational chemistry, accounting, and finance.

Please log on to Nacelink (<http://www.careercenter.uiuc.edu/rc/databases/nacelink.asp>) to apply. You may also apply at any time by sending a resume and cover letter to jobs@deshaw.com. Questions contact Rachel Kobic at rachel.kobic@deshaw.com.

AE homepage: <http://www.ae.uiuc.edu/>.

Undergrad program: <http://www.ae.uiuc.edu/academics/undergrad/>

Opportunities: <http://www.ae.uiuc.edu/opportunities/>

Previous FLYERS: <http://www.ae.uiuc.edu/news/flyer/>

Visit the *Engineering Update* web site <http://www.engr.uiuc.edu/communications/eupdate/> for College of Engineering news.