

PROSPECTIVE SENIOR MECHANICAL AND INDUSTRIAL ENGINEERING STUDENTS

Program for Enhanced Design Experience

It is a pleasure to announce the Program for Enhanced Design Experience (PEDE) for the 2009-2010 Academic Year. PEDE provides engineering students an excellent opportunity to work on an engineering design project scheduled for production in close collaboration with engineers from industry. PEDE has been established with the expectation that the additional experience gained in engineering design will enable participating students to be more productive in the workplace upon graduation. PEDE can be elected by students with all EFAs, and is required by the ME Design EFA for ME majors who will graduate in May 2010. You can visit the web site at www.engineering.uiowa.edu/~pede for information about PEDE.

Design projects will come from a number of industrial sponsors located in Iowa. Teams of three or four students per team will be formed to work on the projects. Each team will work on one project over a nine-month period. A team may be comprised of students from more than one department.

A student participating in the PEDE is required to:

- Attend Jump-Start Week (40 hours) starting August 17, 2009 at the sponsor site, for which a stipend of \$600 is paid.
- Enroll in two courses for a total of **six semester hours** during the 2009-2010 Academic Year. **IE students** will take 56:161 Enhanced Design Experience in Fall 2009 and 56:160 Operational System Design in Spring 2010, and **ME students** will take 58:086 MEDP (PEDE Groups) in Fall 2009 and 58:186 Enhanced Design Experience in Spring 2010.
- Devote 9 to 12 hours per week to the project over a nine to ten month time period commencing August 24, 2009 and ending around May 14, 2010, including at least 30 hours during the university winter break in January 2010 and 10 hours during university spring break in March 2010 for which a stipend of \$600 is also paid.
- Actively participate in and contribute to the design project.
- Interact with team members and representatives from the sponsors of the design projects.
- Adhere to schedules and prepare timely and informative reports.
- Attend timely design review meetings with representatives from sponsors and with course instructor(s). Meetings will be held at the sponsor facilities or in Iowa City.
- Be in good academic standing (not on probation).
- Sign a participation agreement and a legal statement furnished by industrial firm about disclosure of proprietary information and about ownership of patent rights.

The Enhanced Design Laboratory in G130 SC houses several workstations, personal computers, and peripherals for use on the design projects. Financial support is available for travel associated with the design project.

If you would like to participate in PEDE, please send Professor L.D. Chen an **email** at ldchen@engineering.uiowa.edu by **April 20, 2009**. In the email, you should indicate the areas of interest (i.e., mechanical systems and/or thermal-fluids) and attach a copy of your resume. An email regarding the selection will be sent by **May 15, 2009** to those who have submitted the application. Please note that selection for PEDE is not guaranteed, and is dependent upon project requirements.