We put the “M” in Texas A&M

11/25/2013

This week in ME:
Spring 2014 Technical Electives List
General Reminders and Registration Information
Course Prerequisites
Force Requests
Pi Tau Sigma Canned Food Drive

Meetings and Seminars:
Win Cash Prizes for Your Student Organization with the B/CS Marathon!
Improving the Robustness of Emotional Speech Detection Systems

Scholarships and Grants:
The 2014-2015 Scholarship Application is open!
SMRP Engineering Scholarship

Jobs, Internships, and Graduate School:
Help with the Chem-E-Car
Participate in an AggiE-Challenge Project
Pactiv Corp Co-Op Opportunity in Temple
Low Cost Solar Concentrator with Energy Storage AggiE-Challenge
Spring 2014 Technical Electives List

PLEASE DOUBLE CHECK THE PRE-REQUISITES OF THESE COURSES WHEN CONSIDERING ENROLLMENT!!! THERE ARE NO EXCEPTIONS TO THE PRE-REQUISITES!

Pre-requisite information can be found on our ME Stem & Technical Elective list:
Course descriptions can be found in the TAMU catalog starting with pg. 715
This Spring (2014) we will be offering these technical electives:

- MEEN 410 – IC Engines
- MEEN 414 – Principles of Turbomachinery
- MEEN 432 – Automotive Engineering
- MEEN 436 – Principles of HVAC
- MEEN 442 – Computer Aided Engineering
- MEEN 459 – Mechanical Vibrations
- MEEN 460 – Corrosion Engineering
- MEEN 471 – Elements of Composite Materials
- MEEN 475 – Materials In Design

General Reminders and Registration Information

-Degree flowcharts, curriculum worksheets, approved technical elective lists, approved university core curriculum lists can all be found at the following website. Please use these resources as well as the University Catalogs to help with your planning. Remember, you are problem solvers in training; utilize your resources!

MEEN Curriculum Details and the Undergraduate Catalog

-CHECK HOWDY OFTEN DURING OPEN REGISTRATION! If a class is closed, do not assume that you will be unable to get it on your schedule. Students are making all sorts of changes to their schedules after grades are posted and departments often open up more seats or new sections; therefore there may be a good chance that you can get into a course before your force request is processed. Keep in mind that there are 16 days of open registration in January.

-We routinely include in the listing of MEEN courses on Howdy "extra" sections of some courses. This is done simply as a "place-holder" just in case we need to accommodate extra demand that may not have been foreseen. The reasons this happens are numerous and beyond the scope of this e-mail. These sections are identified as having a "Cap" value of zero (0). You should NOT request to get into one of these sections using a Force Request. These sections are rarely opened.

Course Prerequisites

Please recall that knowing Course Prerequisite Requirements is the responsibility of each student. Further, abiding by Course Prerequisite Requirements is expected, and not doing so is considered Academic Dishonesty. To further assist you in this matter, course prerequisites are included in the listings of Mechanical Engineering courses on the web (through howdy.tamu.edu).

Two course sequences that are critical, must always be followed, and have a major impact on time to graduation are:
CVEN 305 → MEEN 368 → MEEN 401 → MEEN 402
MEEN 363 → MEEN 364 → MEEN 401 → MEEN 402
-Note that every course in these sequences requires a grade of "C" or better in order to take the follow-on course. Also, as a general rule, remember that your particular catalog defines what courses you must take to complete degree requirements, but prerequisites sometimes change and you must always abide by the current prerequisites for each course.

**Force Requests**
-WE CANNOT FORCE YOU INTO NON-MEEN COURSES!!! The force process is only valid for Mechanical Engineering (MEEN) courses. We do not handle force requests for other courses, such as MATH, ENGR, or ISEN. Force Requests will be handled through an online form that will be available on the M.E. Department website. The **Forcing for MEEN Courses** link will be under "Academic Information" heading.
You must fill in the Force Request form completely online. If you have multiple MEEN course forces, the online form needs to be entirely completed for each request.
PLease be patient! Actual forcing into classes will not begin until after Dec. 15th or so. Unfortunately, some cases will not be resolved until just before classes begin in the spring.

**Pi Tau Sigma Canned Food Drive**
In the spirit of giving Pi Tau Sigma will be working with the Department of Mechanical Engineering to host a canned food drive for the month of November. The drive will begin this week and run through the 22nd of November. All donations will go to the Brazos Valley Food Bank, and collection boxes will be placed within throughout office spaces in the ENPH building. These boxes will be emptied periodically to a central collection barrel on the 2nd floor near the skyway.

**Win Cash Prizes for Your Student Organization with the B/CS Marathon!**
The B/CS Marathon organization is inviting student organizations to participate in this year's marathon on Sunday, December 8 by creating a cheer station along the marathon and half marathon routes to support and encourage runners along the way. Cash prizes will be given to the top 3 organizations, and it’s a great opportunity to get your organizations name out there! If you wish to participate or want more information, send an e-mail to info@bcsmarathon.com

**Improving the Robustness of Emotional Speech Detection Systems**
Please join us as Dr. Carlos Busso, Assistant Professor in the Electrical Engineering Department at the University of Texas at Dallas, presents his talk "Improving the Robustness of Emotional Speech Detection Systems." Monday, November 25th from 4:10pm-5:25pm in HRBB 124.

**The 2014-2015 Scholarship Application is open!**
Did you know there are scholarships available just for mechanical engineering students? But, if you do not apply for them, the department will not know to consider you for them! If you would like to be considered for
one of the many mechanical engineering scholarships, please go to the Financial Aid and Scholarships office and complete an application: https://financialaid.tamu.edu/. The deadline to apply is February 1st!

**SMRP Engineering Scholarship**
All class levels are eligible. A total of four scholarships valued at $2000.00 each will be issued for this category. Proof of registration for the Spring 2014 semester is required prior to awards being mailed. Please complete the application and return to Clay Naiser (Clay.Naiser@shell.com) before 12/20/2013. After review of applications by the HCSMRP scholarship committee, award notification will be completed on 1/3/2014.

**Help with the Chem-E-Car**
Join this student led, faculty supervised team in building the AlChE Chem-E-Car. Mechanical Engineering students are wanted to help with car mechanics such as chassis design, gears, motors, drive train, wheels, axles, structural designs and more. There is also a 1 hour elective class for those interested in being on the team for academic credit. See this flyer for more information. Contact Chris Sukumpantanasarn at csukumpantanasarn@tamu.edu if you are interested or have questions.

**Participate in an Aggie-Challenge Project**
The Molecular Biomechanics Laboratory is offering the opportunity for highly motivated undergraduate students to participate in an Aggie-Challenge Project. See this flyer for more information on the project. If you are interested, contact Dr. Wonmuk Hwang at hwm@tamu.edu.

**Pactiv Corp Co-Op Opportunity in Temple**
Looking for a co-op in Temple, TX? Apply with Pactiv Corp! Click here for more information on this co-op opportunity and apply for the job on hireaggies.com!

**Low Cost Solar Concentrator with Energy Storage AggiE-Challenge**
The purpose of this project was to develop a prototype solar monitoring system that could be used to monitor a photovoltaic system. These monitoring systems are often too expensive to purchase and the cost may not be feasible for a system only made up of one or a few panels. For this semester of the project, the focus was on monitoring solar irradiance as well as system output. The system output specifically regarded the battery which would be used for energy storage. More information can be found here.

If you need to contact someone in the Undergraduate Advising Office, call 979-845-1252 or e-mail Dawn Kerstetter at dkerstetter@tamu.edu. If you need to speak to an adviser, try: Kasey Sims at ksim19@tamu.edu OR Doug Beck at dbeck@tamu.edu