We put the “M” in Texas A&M

12/9/2013

The ME Advising is pleased to announce an addition to our staff!

Ms. Rachal Thomassie, Class of ’02, is our newest undergraduate adviser. She graduated from the ME program in 2003 and worked for a Naval laboratory in Florida before returning to College Station to work as an adviser in the Architecture department. We are happy that she has decided to return home to the Mechanical Engineering Department starting today. She will begin taking appointments tomorrow, December 10th. Please help us welcome her to our team!

This week in ME:
- Finals Schedule Calendar
- Spring 2014 Technical Electives List
- General Reminders and Registration Information
- Course Prerequisites
- Force Requests

Meetings and Seminars:
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- Wayne V. Black Memorial Scholarship

Jobs, Internships, and Graduate School:
- Undergraduate Grader Applications
- Undergraduate Employment Opportunity in the Industrial Assessment Center
- Participate in an AggiE-Challenge Project
- Pactiv Corp Co-Op Opportunity in Temple

3123 TAMU
College Station, TX 77843-3123
Email: tjacobs@tamu.edu
Tel. 979.845.1538  Fax 979.845.3081
Low Cost Solar Concentrator with Energy Storage AggiE-Challenge
OGAPS Event Assistant Part-time Job Opening

Finals Schedule Calendar
Finals are scheduled to take place starting this Friday, December 6th, through Wednesday, December 11th. Please double check the calendar to see when the finals for your classes are scheduled.

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
MEEN 489 – Tribology

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.

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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 \(\rightarrow\) MEEN 368 \(\rightarrow\) MEEN 401 \(\rightarrow\) MEEN 402
MEEN 363 \(\rightarrow\) MEEN 364 \(\rightarrow\) MEEN 401 \(\rightarrow\) 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.

MEEN 489-Tribology to be offered in Spring 2014!
Be sure to consider the following course for Spring 2014, which will count as a MEEN technical elective:
History and significance of Tribology, Rough Surfaces, Hertzian Contact, Rough surfaces in contact, Friction of surfaces in contact, Surface failures/Wear, Boundary lubrication, Fluid Properties, Thick film lubrication, Thin film lubrication, Micro- and nano-Tribology
Refer to Howdy to see if it will fit into your schedule.

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!

Wayne V. Black Memorial Scholarship
All applications will be evaluated by the Scholarship Committee based upon the applicant’s biography, essay, GPA and references, as weighted in the discretion of the Scholarship Committee. The amount of the
scholarship award as established by the Board of ENTELEC will be $5,000. For more information, click here. For the scholarship application, click here.

Undergraduate Grader Applications
Are you interested in reinforcing some engineering skills, while also earning a little money? Consider being an undergraduate grader for a mechanical engineering course. You must be an undergraduate mechanical engineering student, have a cumulative GPA of 3.0, and have earned a "B" in the course(s) you wish to grade for. See the application here, which can be submitted to the front desk of 200 MEOB any time. Please note that for full consideration, you should submit your application at least 2 weeks prior to the start of the semester.

Undergraduate Employment Opportunity in the Industrial Assessment Center
The Industrial Assessment Center is looking to hire 6-8 undergraduate students starting in January 2014. The IAC trains students to conduct energy audits for industrial manufacturing facilities, commercial buildings, and schools. IAC students are employed as student technicians, and work 10-15 hours per week. Each student will participate in 3-4 industrial visits each semester, which are conducted on Fridays. Students complete data analysis and write reports at other times at their own schedule. Students receive formal training from industrial partners and certifications that are often valued by future employers. For more information see: http://iac.tamu.edu/ or contact Dr. Bryan Rasmussen (brasmussen@tamu.edu).

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.
OGAPS Event Assistant Part-time Job Opening
Assist with the preparation and implementation of events sponsored by Office of Graduate and Professional Studies. Duties may include, but are not limited to the following: providing programming assistance, scheduling facilities, create presentations, revising existing documents and databases, drafting new documents, typing e-mails and letters, designing signs, making flyers, making phone calls, running on-campus errands, and day-of-event facilitation. Occasional commitments outside of normal business hours. Find more information 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 ksims19@tamu.edu
OR
Doug Beck at dbeck@tamu.edu