Happy Week 10 Mustangs!
As a reminder, this is the last week of academic instruction before finals NEXT week.

For graduating students, commencement information is available at https://commencement.calpoly.edu/fall
The schedule for Saturday December 15th is:

9 a.m. | College of Agriculture, Food and Environmental Sciences and College of Science and Mathematics (view livestream)

Immediately following each ceremony, participants and guests are invited to attend a reception in the Julian A. McPhee University Union Plaza (Bldg 65).

Following the main ceremony, the BRAE Department will be hosting a post graduation celebration for students, families, and supporters.

More information to come!

If you are not already, be sure to follow the BRAE Department and Ag Engineering Society on Social Media!
www.facebook.com/CalPolyBRAE/ or @CalPolyBRAE
www.facebook.com/Ag.Engr.Society/ or @Ag.Engr.Society
AGRICULTURAL ENGINEERING SOCIETY

3RD GENERAL MEETING

DECEMBER 5TH • LAB 1

MEETING STARTS AT 6PM

Free AES Stickers with Shirt Purchase!!

T Shirts for Sale!!!

Tri Tip and Cheesy Potato Dinner
# November/December Calendar

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<td>Third AES General Meeting 6PM in Lab 1</td>
<td>AES Barbecue BRAE Ramp PAAC Meeting 11:00AM &amp; 6:00PM 8A-4C</td>
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<td>CAFES Fall Commencement 9AM Main Gym Department Celebration</td>
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- **Finals Week**: 16-20
- **Winter Break**: 23-25, 26-29
Meetings are Thursdays 11-12 pm and 6-7 pm in room 8A-4C in lab 4.
Call or text 760-468-6076 if you need help getting there :)

This Week's Meeting
AgBot Team Projects
This week, we'll break into teams and each team is going to work on different aspects of our robot for AgBot!
We're also going to set deadlines for projects.

Project of the Week
Tabletop Robot Design
Help us design the base of our line following robots!

AgBot Challenge
PAAC is competing in both the Weed and Feed and Soil Sampling competitions. Information about past competitions can be found below!

Info Here!

ASABE Robotics Competition
Every year, PAAC builds tabletop robots that accomplish harvesting tasks. We recently received the tentative guidelines for this year's competition! Click below for the details!

Info Here!
**General Description**

Yolo County Flood Control & Water Conservation District (District) is accepting resumes for the position of SCADA Technician. Yolo County Flood Control is a special district located in Woodland, California. The District’s primary mission is to provide surface water for agricultural purposes in western Yolo County, and it serves approximately 225,000 acres of agricultural land. The District is instrumental to maintaining the economy and agricultural heritage of Yolo County.

Under general supervision, persons in the SCADA Technician position support the Water Resources Program by performing both field and office duties. These duties include programming and configuration of SCADA server computers and software, programming PLCs at SCADA field sites, managing and troubleshooting instrumentation and data collection and analysis. Field duties include repairing, installing, and troubleshooting control, monitoring, communication, and power generation equipment.

**Examples of Essential Functions and Other Duties**

1. Assists in programming, configuring and operation of SCADA database software at all District facilities.
2. Programs PLCs, dataloggers and other computer equipment.
3. Installs, configures and maintains ethernet radio equipment.
4. Manages databases including uploading and exporting data, writing queries, and performing quality control on the data.
5. Performs server maintenance including cleaning, and upgrading software and hardware.
6. Provides computer and communications support for office and field staff.
7. Maintains Water Resources Department equipment, tools and measuring devices.
8. Writes reports, and develops and documents procedures.
9. Fabricates and maintains mounting, conduit, and enclosure systems for Water Resources Department equipment.
10. Performs various water level and flow measurements using a variety of mechanical, pressure, ultrasonic, and Doppler meters, as well applying weir and flume measurements.
11. Designs, and or assist in the design and implementation of remote and automatic controls, data acquisition and water monitoring information systems.

**Required Knowledge and Abilities**

Knowledge of:

1. Electronics and electrical circuits, electrical safety and other applicable safety standards.
2. Mathematics including percentages, polynomial equations, and linear interpolation.
3. Fundamentals of computer programming.
4. Computer proficiency including word processing, spreadsheet, presentation, and data management protocols.
5. Proper use of office equipment including computers, smart phones, and two-way radios.
6. Safe and proper operation of field equipment including basic hand and power tools, multimeter and other electrical test equipment.

Ability to:
1. Comprehend and apply technical methods of data acquisition, monitoring and analysis.
2. Read and interpret electronic plans and schematics.
3. Learn canal operations, and water management concepts.
4. Work outdoors in a variety of physical environments including sun, heat, cold, wet and perform occasional climbing
5. Be detail oriented.
6. Communicate in a professional manner both verbally and in writing.
7. Manage time and complete tasks in a timely fashion.

Desirable Qualifications
Candidates must have a minimum of two years of experience in programming, troubleshooting and maintaining data acquisition equipment and software and/or a technical or Bachelor’s degree in Agricultural Engineering, IT, Systems Administration, Agricultural Systems Management, Instrumentation Technology or a related field, and possession of a California Class C license.

Physical Examination
Candidates for this position must pass a physical examination, which includes a substance screening as part of the employment placement process.

Salary
This non-exempt position is compensated between $23.60 - $28.59 per hour. The District’s benefit package includes medical, vision, disability and life insurance, dental benefits, sick leave, vacation and a generous retirement plan.

To Apply
Submit cover letter and resume by email or USPS to the address or email below:

Attn: Jennifer Reed
Yolo County Flood Control & Water Conservation District
34274 State Hwy 16
Woodland, CA 95695

Email: jreed@ycfcwd.org

Questions may be directed to Tim Ireland at 530-662-0265 or tireland@ycfcwd.org

Job Posting Statement
Yolo County Flood Control & Water Conservation District prohibits discrimination based on race, color, religion, gender, national origin, age, disability, veteran status, marital status, pregnancy, gender expression or identity, sexual orientation or any other legally protected status.
Hello USDA Family-

Today, I am proud to announce that we are accepting applicants to our “OneUSDA Internship” opportunity for Summer 2019. Today’s students are the future of America and there are few things more American than agriculture. We’re aiming to find fresh talent, with diverse backgrounds, across all 50 states, to begin their careers as an intern with USDA.

As part of the Federal Pathways Program, the OneUSDA Internship will provide students a way to explore serving their country through a career in government while gaining work experience in agriculture, natural resources, rural development, and other career fields.

If you know of anyone who may be interested in serving their country and working here at USDA, please pass this email along to them. We would love to hear from them and have them serve at USDA.

The OneUSDA Internship Program provides students with experience in a dynamic work environment that will enhance their educational goals and shape their career choices. At USDA, we are committed to teaching and shepherding the next generation of strong leaders.

USDA will start reviewing applications on December 9, and the application window will close on January 18, 2019. Help us spread the word!

In the Summer of 2019, USDA will hire Pathways Interns in hundreds of locations across every state for the following occupational fields:

Veterinary Science
Biological Sciences (e.g., natural resources management forestry, wildlife biology, fish biology, ecology, botany, rangeland management, recreation)
Engineering
Agribusiness, Contracting, Procurement, and Industry
General Administration and Office Support

After choosing the geographic region of preference and the career path that best matches with students’ area of study and professional aspirations at https://www.usda.gov/Internships, students simply follow the weblinks to https://www.usajobs.gov/ to set up an account, then follow the prompts to apply to the internship.

For more information, visit www.USDA.gov/Internships.

Thank you for everything you do to “Do Right and Feed Everyone.”

Sonny Perdue
Secretary
Meetings:
Monday-
Critical Global Engagement Club,
Project Team Meetings,
IMPACT

Thursday -
Breakfast for Dinner

Friday -
Tea Time

Announcements:
Breakfast
for Dinner: Stressed from finals? Need a study break? Love Breakfast food? EWB has just the thing for you! Join us for EWB's Breakfast for Dinner next Thursday evening, 12/6, 7:00-9:00 pm in building 34 room 228. Please fill out this form if you're interested in attending.

Meetings:
Critical Global Engagement Club:
Part of EWB's mission is to "empower communities to meet their basic human needs." This mission is admirable, but what does it look like in practice? What does it mean to empower a community? How can we confront the complex power structures that have inhibited communities from meeting their basic human needs? These questions have no simple, distinct solution. Critical Global Engagement (CGE) Club is partnering with EWB to host discussions and further projects to explore these questions.

Tomorrow Ryan Alaniz will be joining us to lead a discussion based around his piece, The Conscientious Gringo. Please read the piece and come prepared to discuss. Join us Mondays 6:00-7:00 pm in building 38 room 220!

Project Meetings are every Monday from 7:00-9:00 pm for Local Projects, Nicaragua, and Malawi, and 8:00-10:00 pm for Fiji and Thailand. Feel free to try out different project teams and be sure to introduce yourselves to the PMs if you're new to EWB!

Here are the team room locations:
Fiji: 38-121
Local Projects: 38-204
Thailand: 38-219
Nicaragua: 38-220
Malawi: 38-225

IMPACT:
IMPACT, Engineers Without Borders' volunteering team, works with nonprofits across SLO County to carry on the tradition of thinking globally and acting locally. IMPACT organizes volunteering events that unite EWB members and fellow Cal Poly students with local nonprofits dedicated to the community EWB Cal Poly knows and loves. This quarter we will be researching ways to improve our annual EWB IMPACT Weekend that is scheduled for the end of winter quarter.

Meetings are held Mondays 10:00-11:00 am in the library fishbowl 216S. NO MEETING THIS WEEK.

Tea Time:
Tea Time will be from 11:00-12:00 pm on Friday behind Julien's Cafe in the library. Come hang out with the President and Vice President to have any questions answered about the club.

Cal Poly Society of Women Engineers is looking for volunteers for our annual VEX Robotics Competition on January 18-19, 2019.

The Cal Poly Society of Women Engineers, along with San Luis Obispo High School, is proud to host the California Central Coast VEX Robotics Competition on January 18-19, 2019 in the ATL, Bonderson, and Engineering Plaza areas.

This year the competition gets more competitive and even larger with over 50 teams battling for a spot in the CA State Championships! Cal Poly will welcome teams to compete in this year's game, “Turning Point.” Game video: https://youtu.be/CDDGBcs0TFM.
Two NRCS engineering internship opportunities now posted on USA Jobs. The announcement will stay open until 1/18/19, however, the first referral of candidates will be made from applications received by 11:59 EST on December 9th. Entrance on duty dates are being determined as May 26, 2019; June 09, 2019; June 23, 2019; or July 7, 2019.

Positions are also being advertised as Not To Exceed (NTE) 6 months. However, extensions of appointment can be approved. Please disseminate the vacancy below as appropriate.

Student Trainee (Engineering)
https://www.usajobs.gov/GetJob/ViewDetails/518360400#

Californai locations:
Yreka
Vacaville

This is a great way to get exposure to NRCS and at the end of the program can result in a full-time position with the agency!