EEE Newsletter
November 16, 2017

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EEE End of Semester Celebration*

The EEE office is hosting an:
End of Semester Celebration
Monday, December 4
3:30-5pm
East Faculty Lounge (PMU 2nd floor)

- All EEE students, faculty and staff are invited.
- Flyer with details attached.

December 2017 graduation candidates will be recognized!!

New EEE Computer Lab - Now POTR 360

- The EEE computer lab room has moved to a larger room, POTR 360.
- Key pad entry instructions:
  - Pull handle down once or twice to clear
  - Enter Code 361234
  - Pull handle down and open door

EEE Registration Season - Open Registration begins 11/30

- Registration season for Spring 2018 is here! Spring 2018 Schedule of Classes & Time Tickets are live in myPurdue.
- Open Registration begins November 30 so there is still time to register.
- You may access the newsletter for ‘EEE Registration - Spring 2018’ by taking this path - EEE -> Current Students -> Useful Resources -> EEE Student Newsletter

Closed courses and Waitlists in myPurdue

- Some courses use the MyPurdue Waitlist feature that begins at Open Registration. For Spring 2018, Open Registration begins on November 30. Find instructions for how to put yourself on a waitlist at: https://www.purdue.edu/registrar/currentStudents/students/waitlist.html
- For closed courses not using waitlists, continue to monitor to catch if an open seat becomes available. Best time to catch a seat is soon after grades post on 12/20 since those not meeting prereq standards will vacate subsequent courses.
**Summer 2018 Schedule of Classes & Time Tickets**

- **Summer 2018 Schedule of Classes** will be published in myPurdue on Monday, Dec 11, 2017
- Summer PINs are the same as Spring 2018 PINs
- **Time Tickets** for summer registration will be assigned on December 20th. Each student must look in their own myPurdue account to find his/her time ticket because it is specific to how many credits a student has completed.
- General time tickets can be found at link below, but realize that each student must look in their own myPurdue account to find his/her time ticket because it is specific to how many credits a student has completed. You may call yourself a sophomore but have a junior ticket due to AP and dual credits inflating your classification.
  - [http://www.purdue.edu/registrar/currentStudents/students/registrationFaq.html](http://www.purdue.edu/registrar/currentStudents/students/registrationFaq.html) - not specific time tickets

**Course: EEE 49500M Urban Water Projects***

- This course will be taught by Dr. Lindsey Payne in spring term. Through real-world projects, students collaborate with local community partners to identify storm water management problems and co-design solutions. Students gain professional engineering and sustainability competencies—design, communication, teamwork, grant-writing, budget management, and leadership—as they oversee a project from inception to implementation.
- Instructor permission required. If interested, contact Dr. Payne at paynel@purdue.edu.

**Job Corner with Ms. Whelton, PE**

I am sure you are all ready for a break. Thanksgiving vacation is a great time to apply for job opportunities and graduate school or to polish up your resume and LinkedIn account. Putting in a little extra time over the holiday when you don’t have classes can really help with your job search. While meeting with family and friends over the break, you could also practice your elevator speech and ask for their feedback. Meeting and talking with a variety of people is a great way to “practice” your networking skills. In addition, by speaking with people about EEE and your specific interests you might learn about a job opportunity!

Speaking of jobs, have you checked the EEE internship or fulltime position page lately? I have been putting up new opportunities ([Internships, Full time](https://www.cco.purdue.edu/Students/JobOffersandNegotiation)). Once you apply for a job opportunity and have an interview scheduled, you need to prepare. Here is a good article on some typical interview questions and how to answer them: [https://www.hospitalrecruiting.com/blog/4159/strategies-to-help-you-win-a-job-offer/](https://www.hospitalrecruiting.com/blog/4159/strategies-to-help-you-win-a-job-offer/) Practice your STAR and PAR answers before your interview. You can set up a meeting with me if you’d like my assistance.

As we head into the end of the fall semester, many of you have or will be hearing from companies. If you have a job offer, check out the CCO online. The CCO gives some good information on evaluating job offers, negotiating aspects of your position, and even how to professionally accept or decline an offer: [https://www.cco.purdue.edu/Students/JobOffersandNegotiation](https://www.cco.purdue.edu/Students/JobOffersandNegotiation). If you still have questions on an offer or on comparing offers and would like advice, contact me.

The CCO also has an online survey for student internships around Purdue. A link to the survey is included here: [https://www.cco.purdue.edu/Students/Post-GradDataAndSurveys#InternshipSurvey](https://www.cco.purdue.edu/Students/Post-GradDataAndSurveys#InternshipSurvey). This survey will be used to show how many students from across Purdue have internships.

Enjoy the break!

**What are REUs?? (NSF Research Experiences for Undergraduates)**

- NSF Research Experiences for Undergraduates (or REUs) are competitive summer research programs in the United States for undergraduates studying science, engineering, or mathematics. Such programs usually focus on targeting women and underrepresented minorities. The programs are sponsored by the National Science Foundation, and are hosted in various universities. They are among the most prestigious summer programs that an undergraduate can participate in. Individual REUs tend to be specialized in a particular field of science. There are REUs in many scientific fields such as mathematics, physics, chemistry, geology, biology, psychology, and computer science.
- REU sites typically consist of ten undergraduates working in the research program of the host institution. As the program is funded by the NSF, undergraduates must be citizens or permanent residents of the US or its possessions to be eligible for funding. However, some REU sites accept “self-funder” international students. Applications are typically due between February and March. This is excellent opportunity for undergraduates to get further research
experience, and REUs are especially recommended for students considering graduate coursework later on. Compensation for hours worked is provided.

- A searchable engine and more info can be found at http://www.nsf.gov/crssprgm/reu/reu_search.jsp
- These opportunities are competitive so having prior research experience makes you more competitive.
- See your EEE Mentor for more insights on the advantages of REUs, or with help in narrowing your choices.

**Summer 2018 ReNUWIt REU Program***

- The National Science Foundation (NSF)-funded Engineering Research Center (ERC) for Re-inventing the Nation’s Urban Water Infrastructure (ReNUWIt) is now accepting applications for its Summer 2018 Research Experience for Undergraduates (REU) Program.
- Participants will conduct mentored research in ReNUWIt faculty lab groups at Colorado School of Mines, New Mexico State University, Stanford University, and University of California at Berkeley.
- Application deadline: February 10, 2018
- Please direct interested undergraduates to our website (http://renuwit.org/education/reu-program/) to learn more and apply.
- Program Contact: Dr. Pam McLeod (pamelamc@stanford.edu)
- See attached flyer for more info

**Environmental Science Institute 2018 REU Program at UT Austin**

- The Environmental Science Institute at the University of Texas at Austin will host 2018 Summer Research Experiences for Undergraduates (REU) Program in climate change in semi-arid regions
- The program is aimed at rising juniors and seniors and open to students who are US citizens in good academic standing and they especially invite applications from members of traditionally underrepresented groups.
- Download the program flyer if you are interested in this program. Program information, including the online application, can be found on their website.

**New Summer Engineering Undergraduate Internship Program**

- A new summer program for College of Engineering students offers a paid internship for undergraduates to work as a part of an entrepreneurial student team
- Call-Out is today! Thursday November 16, 6:00-7:00pm in FRNY 1043
- Learn more at https://engineering.purdue.edu/Xcelerator

**FREE AWWA Student Memberships**

- The American Water Works Association (AWWA) is offering free memberships to students through December 31, 2017
- AWWA can help you find a job, network with water industry professionals, pay for classes, present research, and get access to resources
- Join the AWWA family! Use promo code GIFT at checkout
- If you have any questions, please contact Cari Maciolek at cmaciolek@awwa.org

**AEESP/EESF Student Video Competition - 4 days left for teams to enter**

- The deadline for registering your team to participate in the 2017-18 AEESP/EESF Student Video Competition is Monday, November 20th at 11:59PM ET. The theme of this year’s Competition is “The Value of Water”.
- For more information, and to access the online Team Entry form, please click on the following link: https://aeesp.org/news/2017-2018-aeespeesf-student-video-competition-team-entry-deadline-extended

**INDOT Offers Scholarships, Jobs to Engineers in Training**

- The Indiana Department of Transportation is offering engineering students scholarships of up to $3,125 per semester, and paid employment during summer breaks and upon graduation.
- Here is link to website you need to review to apply: http://www.in.gov/indot/2713.htm
- Students must be accepted or enrolled full time in one of Indiana’s approved ABET accredited engineering schools and apply using the form at www.INDOTScholarship.IN.gov. Applications for the 2018-2019 school year must be submitted by December 31, 2017
New Course: EAPS 200 Water World*

- EAPS 200 is a 3 credit course for both science and non-science majors that discusses Earth’s most precious resource: water. This course provides an introduction to hydrology and water resources using an Earth-systems approach.
- Topics include: the global water balance, how components of the water balance are measured, eco-hydrology, sustainability, and human impacts to the water balance.
- Any questions should be directed to Dr. Marty Frisbee at mdfrisbee@purdue.edu or in HAMP 3243
- EEE will count this course as tech. elective credit
- See attached flyer for more info

New Course: ENGR 39600 Thriving for Engineering Leadership, Diversity & Inclusion*

- ENGR 39600 provides students with an opportunity to improve well-being, increase leadership potential, and promote inclusion and diversity in engineering.
- The course is 1 credit and runs for the first half of the Spring 2018 semester
- Any additional questions should be directed towards the instructor Julianna Ge at ge45@purdue.edu
- EEE will count this course as tech. elective credit
- See attached flyer for more info

Course: HIST 31405 STEM & Gender*

- HIST 31405 examines technological, scientific, and engineering innovation through the lens of gender reveals changing relationships between men and women in modern America.
- This course satisfies the university core requirements for Humanities, and Science, Technology and Society.
- EEE will count this course as general education credit
- See attached flyer for more info

New Course: YDAE 49100 Cultivating Cultural Competence in Agriculture*

- YDAE 49100, CRN 20983-034 “Cultivating Cultural Competence in the Field of Agriculture” is a newly designed course to connect students with their future fields of employment through the lens of cultural and emotional competencies in communities and the workplace.
- The course is experiential and community centered offering students real world engagement a variety of ag related fields. [low lecture, high activity based].
- EEE will count this course as tech. elective credit
- Learn more at https://ag.purdue.edu/mp/Courses-Offered.aspx
- See attached flyer for more info

New Course: ENTR 31500 Business Planning for Social Entrepreneurship*

- ENTR 31500 builds on concepts learned in ENTR 20000, students work in multidisciplinary teams to develop viable business models for a socially focused venture.
- Teams collect and analyze primary and secondary research to examine mutual value creation, organizational sustainability, feasibility and measurable social impact.
- Teams create financial statements that align with a social enterprise business model and explore the legal, regulatory, and ethical issues faced by social entrepreneurs.
- ENTR 20000 is a prerequisite
- EEE will count this course as tech. elective credit
- See attached flyer for more info

Grade Policy: Repeat Policy for ME Courses

- Mechanical Engineering has instituted a repeat policy effective beginning Fall 2015. The policy is designed to maximize student success and minimize time to graduation.
- The policy is applicable to all students taking ME courses.
- Main impacts on EEE students are:
  - Grades of C or higher cannot be repeated for a higher grade.
Students cannot “regress” and take a prerequisite course after having moved forward. (i.e. take ME 27400 Basic Mech II, then decide to repeat ME 27000 Basic Mech I)

- The full policy can be found at https://engineering.purdue.edu/ME/Academics/Undergraduate/ME%20Course%20Repeat%20Policy%20%28Effective%20Beginning%20Fall%202015%29.pdf

### Grade Policy: Math Courses

- The Math Department has instituted a minimum grade policy that will be enforced beginning Spring 2016. The policy is designed to maximize student success.
- The policy is applicable to all students taking MA (math) courses.
- Main impact on EEE students are:
  - A grade of C- or higher is required to move forward to the next subsequent course.
- Example: Prerequisite for MA 26200

  **Changed all required grades to C- or better**

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<th>Course</th>
<th>Prerequisites</th>
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<td>Undergraduate level MA 18200 Minimum Grade of C- or higher</td>
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<td></td>
<td>Undergraduate level MA 26300 Minimum Grade of C- or higher</td>
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### Pre-Professional Advising

Planning on pursuing professional education such as law or healthcare? Check out Purdue Pre-Professional Advising to get versatile assistance from choosing a specific profession to applying to professional programs!

- Learn more at http://www.purdue.edu/preprofessional/
You are invited to celebrate the close of another great semester! December 2017 graduation candidates will be recognized.

All EEE undergraduate & graduate students, faculty and staff are encouraged to attend.

Date: Monday, December 4th
Time: 3:30-5:00 PM
Location: East Faculty Lounge (PMU 2nd Floor)
EEE 495 Urban Water Projects
Building Sustainable Communities

Through real-world projects, students collaborate with local community partners to identify stormwater management problems and co-design solutions. Students gain professional engineering and sustainability competencies—design, communication, teamwork, grant-writing, budget management, and leadership—as they oversee a project from inception to implementation. To date students have installed:

• 38 urban water projects (e.g., rain gardens, rain barrels, and native savannas), 19,000 plants, and 19 trees at 9 community partner sites.

• Diverted over 2,000,000 gallons of water, 60 pounds of nitrogen, 12 pounds of phosphorus, and over 1,600 pounds of sediment from the Wabash River annually.

The course will be offered M/W 4:30 – 5:45 PM. Instructor approval is required & space is limited, contact, Dr. Lindsey Payne, paynel@purdue.edu.
ReNUWIt REU Program.

Look forward to the question: “What did you do this summer?”

Who: Undergraduates attending US institutions

When: Summer 2018

What: Research Experience for Undergraduates (REU) Program – paid, mentored research in water science & engineering; professional development; social events and networking

Where: ReNUWIt labs at Stanford University, UC-Berkeley, Colorado School of Mines, and New Mexico State University

To learn more and apply: [www.renuwit.org/education](http://www.renuwit.org/education)

Application deadline: February 10, 2018

Program Manager: Dr. Pamela McLeod, pamelamc@stanford.edu
SPRING 2018
EAPS 200: WATER WORLD

Course Description
EAPS 200 is a 3 credit course for both science and non-science majors that discusses Earth’s most precious resource: water. This course provides an introduction to hydrology and water resources using an Earth-systems approach. During the first half of the semester, we’ll develop a basic understanding of hydrological processes and methods. During the second half, we’ll discuss applications: what are the major hydrological processes, where/why they occur, and how are they impacted by human activity.

Class meets:
TR 1:30 – 2:45
ARMS 1010

Topics include: the global water balance, how components of the water balance are measured, ecohydrology, sustainability, and human impacts to the water balance including: urbanization, agricultural and forestry practices, mining, and climate change.

Water stewardship is critical for our future. Join the discussion.

HAVE QUESTIONS?
Please Contact:
Dr. Marty Frisbee
mdfrisbee@purdue.edu
or HAMP 3243
NEW COURSE FOR UNDERGRADUATE ENGINEERS!

Thriving for Engineering Leadership, Diversity and Inclusion

ENGR 396, CRN: 21857

Spring 2018, 1 credit

First Half-Semester Class

Instructor: Julianna Ge
g45@purdue.edu
HIST 31405: STEM & Gender

Scientific and technological innovation has been a cornerstone of American identity. How science and technology matter to gender, and gender matters to science and technology, will be explored through studying amateur and professional scientists and engineers, industrialization, education, sexual division of labor, and home and work spaces in twentieth century America. Examining technological, scientific, and engineering innovation through the lens of gender reveals changing relationships between men and women in modern America.

Satisfies University Core Requirements: Humanities + Science, Technology & Society

Spring 2018 T/Th 9:00-10:15 WALC 2127

Professor Sharra Vostral, svostral@purdue.edu
Cultivating Cultural Competence in the Field of AgriCULTURE

Why take this course?

Today's employers are seeking culturally competent and emotionally intelligent employees who are capable of working in diverse environments.

Learn to recognize your own and other’s perspectives and effectively adapt behaviors to meet the needs of a diverse society.

Gain real world skills that will set you apart from other candidates in the job market. Increase your cultural and emotional intelligence!

YDAE 49100 : CRNs: 20983-034

3 credits

Lecture: Tuesdays: 9:30 – 10:20am
Lab: Fridays: 2 – 3:50PM

Instructors:
Dr. Lisa Lambert Snodgrass
Shalyse Iseminger

Hybrid Learning Strategies
Experiential Learning Environment
Real World Applications
COURSE DESCRIPTION: Building on concepts learned in ENTR 20000, students work in multidisciplinary teams to develop viable business models for socially focused ventures. Teams collect and analyze primary and secondary research to examine mutual value creation, organizational sustainability, feasibility and measurable social impact. Teams create financial statements that align with a social enterprise business model. Students explore the legal, regulatory, and ethical issues faced by social entrepreneurs.

COURSE DETAILS:
• Prerequisite: ENTR 20000
• Also fulfills second core requirement for the Certificate in Entrepreneurship and Innovation, as does ENTR 31000
• 3 credits
• Tuesdays and Thursdays 1:30 – 2:45 PM, WALC 3090
• Offered Spring and Fall semesters

FOR MORE INFORMATION:
• Scheduling and program questions – contact Rita Baker, bakerr@purdue.edu
• Course questions – contact Dora Lutz, lutz20@purdue.edu
• Or visit www.purdue.edu/entr

DORA LUTZ is one of a handful of certified Shared Value Consultants in North America and a lecturer for Purdue University’s Certificate in Entrepreneurship and Innovation.

Founder and President, Givingsprings
Founder and President, 3 Hawks Consulting

Lutz leads the Global Council of Regional Leads for IMPACT 2030, a UN Initiative designed to leverage corporate employee volunteerism towards the achievement of the Sustainable Development Goals.

Lutz has created models including the 5 Phases of Community Engagement and the BEGIN process for creating Corporate Social Responsibility programs.

lutz20@purdue.edu