



May 2, 2016

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CoS MEETINGS & EVENTS

COLLEGE OF SCIENCE COMMENCEMENT

Graduate School:
Friday, May 13, 2016
4:00 PM

CoS Undergraduates:
Saturday, May 14, 2016
2:30 PM

All ceremonies are held in the Elliott Hall of Music.

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**SPRING FLING**  
**May 25, 2016**  
11:30 AM-4:00 PM

## EAPS MEETINGS & EVENTS

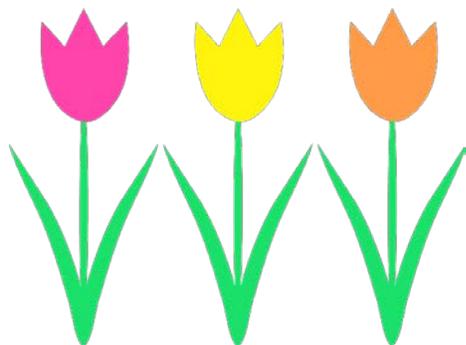
**SPRING 2016 FINAL EXAMS**  
**May 2-7, 2016**

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EAPS FACULTY & STAFF FALL RETREAT
August 18, 2016
Beck Ag Center, Rm 111
8:30 AM – 4:00 PM

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**EAPS FALL WELCOME BACK PICNIC**  
**August 18, 2016**  
Happy Hollow Park, Shelter 1  
4:30 – 7:00 PM



## EAPS NEWS

### 50<sup>TH</sup> ANNUAL MEETING OF THE NORTH CENTRAL SECTION OF THE GEOLOGICAL SOCIETY OF AMERICA

Terry West attended the 50<sup>th</sup> annual meeting of the North-Central section of the Geological Society of America on **April 18-19, 2016** in Urbana-Champaign, Illinois, where he chaired the session “Applied Geology: Environmental, Engineering, Hydrogeology, Geotechnical and Applied Geophysics” and presented a paper “Risk Evaluation: Back-filling a Gravel Pit With Road Construction Debris, Near Residential Areas, Lafayette, Tippecanoe County, Indiana”. Dr. West has served as the advocate for a similar theme session, organizing and scheduling the oral and poster presentations, for the past five years at the North-Central Section of GSA.

### EAPS OMBUDSMAN

What is an Ombudsman? The ombudsmen are an informal, neutral, confidential resource for people in the department, especially students, to raise questions or concerns about any aspect of their academic experience. The EAPS ombudsman is Barbara Gibson (HAMP 2169B; [barbara@purdue.edu](mailto:barbara@purdue.edu)) - please feel free to contact her if needed.

## UNDERGRADUATE AND GRADUATE STUDENT INFORMATION

### PUPS (PURDUE UNIVERSITY PLANETARY SCIENCE)



There is a new student club called PUPS (*Purdue University Planetary Science*)--to provide a sense of community for students who are interested in planetary sciences, as well as, providing encouragement and information about the future of planetary science. The goal is to increase awareness of and the interdisciplinary nature of planetary sciences. Advisor: Briony Horgan.

E-mail: [briony@purdue.edu](mailto:briony@purdue.edu)

## PROFESSOR NAYLOR'S EAPS 532 CLASS

Atmospheric Science students in **EAPS 532 Atmospheric Physics I** acknowledging their last day of spring course instruction with Visiting Assistant Professor Jason Naylor who told them: "You guys looks quite spiffy today." Forever in blue jeans and FLANNEL!!



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## SUMMER REGISTRATION RESEARCH HOURS CHANGE

There has been a change in the registration of summer research hours (EAPS 69800 and EAPS 69900). Research credits will now cover all three modules instead of just the second and third. Summer session now **begins May 16<sup>th</sup>**.

- It's very important that all graduate students conducting research – on or off campus – be appropriately registered. The number of 69800 and 69900 credits taken during the summer should reflect a graduate student's research and writing efforts.
- EAPS 69800 and 69900 are scheduled from **May 16** through **August 2**.
- A maximum of nine (9) credits taken during Summer Session are permitted to fulfill graduation requirements.
- Graduate staff **must** be registered for at least three (3) credits in order to hold their assistantships (i.e., if you are being paid, you **must** be registered).

As during the Fall/Spring semesters, a Form 23 is required in order to register for research hours. Failure to register by **May 16<sup>th</sup>** will invoke a **\$200** late registration fee. If you have questions contact Kathy Kincade at [kkincade@purdue.edu](mailto:kkincade@purdue.edu)

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## 2016 CSU SACRAMENTO-GEOLOGY FIELD CAMP

Spring 2016 field course open to senior geology majors.  
Note that the entire class is conducted from:  
**June 1-July 10, 2016.**

Application forms are available at [www.csus.edu/geology](http://www.csus.edu/geology).  
Email application PDF and materials to [geology@csus.edu](mailto:geology@csus.edu)  
(cc: [hausback@csus.edu](mailto:hausback@csus.edu)) or mail to:  
Geology 188 Application

c/o Geology Department  
California State University, Sacramento  
6000 J Street  
Sacramento, CA 95819-6043

See the attached flyer for more information, schedule, fees, and deadlines. Please contact Brian Hausck at [hauscak@csus.edu](mailto:hauscak@csus.edu) if you have questions.

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## SHORT TERM STUDY ABROAD PROGRAMS

The GREEN Program offers accredited 8-10 day programs which take students to epicenters of clean tech, sustainability, and innovative industries. Programs available winter, summer, or spring break. See attached flyer.

- Engage in hands-on, experiential education with industry experts and professionals
- Gain behind-the-scenes access to innovative clean energy facilities and sustainability projects
- Supercharge resumes with a global perspective and unique cultural experience
- Network and develop relationships with powerhouse student leaders and professionals
- Bridge the gap between traditional textbook learning and real-time industry insight
- Participate on world-class bucket list adventure excursions
- Earn an academic transcript for transfer credit short term abroad programs for
- future clean energy & sustainability leaders

Apply: [www.thegreenprogram.com](http://www.thegreenprogram.com)

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## SUMMER 3-CREDIT FIELD COURSE OPPORTUNITIES WITH ECOSYSTEM FIELD STUDIES!

Caribbean Ecosystem Field Studies - Study, snorkel & SCUBA dive along the Caribbean coast of Mexico  
**May 21- June 9**

Colorado Ecosystem Field Studies – Study, camp, & hike in the Colorado Rocky Mountains from  
**June 21 - July 10 or July 18 - August 6**

An opportunity to apply classroom & textbook learning while immersed in an incredible ecosystem setting! Gain valuable career skills in hands-on ecosystem field research. Earn 3 undergraduate transfer credits. Also offering post-course, extended credit options of Independent Research & Conservation Internship

Open to students from all universities & majors. Accredited by the University of Montana at Missoula's Environmental Studies. Program: ENST 391- for 3 undergraduate semester transfer credits.

For all course information visit the course website:  
[www.EcoFS.org](http://www.EcoFS.org) or see the attached flyer.

Direct any further questions to Professor Steve Johnson,  
Course Director at [steve@EcoFS.org](mailto:steve@EcoFS.org)

### **MERIT-BASED SUPPORT TO GRADUATE STUDENTS**

The EAPS Department provides the opportunity for merit-based support to graduate students to present their research at professional conferences. The maximum yearly amount of department support is \$400 per graduate student (each fiscal year). Submit your form to Kathy Kincade (Room 2169D/HAMP) no later than one month prior to the start of the conference you plan to attend. Requests after the fact or after that timeframe will not be accepted.

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10th ANNUAL GRADUATE CLIMATE CONFERENCE

The 10th Annual Graduate Climate Conference, which will be held **October 28-30, 2016** at the University of Washington Pack Forest Conference Center.

The Graduate Climate Conference (GCC) is an interdisciplinary climate conference run by graduate students, for graduate students, with the goal of assembling a broad range of talks and posters featuring high-quality research focused on past, present, and future climate change and its impacts.

They encourage students at all stages of their graduate career to apply and we seek abstracts on climate research from a variety of disciplines from the physical, natural, and social sciences and humanities, including: anthropology, atmospheric sciences, biology, Earth and environmental sciences, economics, engineering, ethics, geography, law, oceanography, public policy, and resource management.

They highly encourage abstracts from students with traditionally under-represented backgrounds.

The abstract submission period opens **April 11** and closes **June 1**. Lodging and meals are covered for all participants.

Limited travel funding is also available. Please see our website for more information and for submitting abstracts: www.graduateclimateconference.com

The GCC 2016 organizing committee.

UNIVERSITY NEWS

OPENMP HIGH-PERFORMANCE COMPUTING MINI COURSE AT PURDUE SET FOR MAY 10

Purdue will host a no-fee National Science Foundation workshop **May 10** on high-performance computing with OpenMP. The session is for students, staff and faculty looking to gain skills in parallel programming with OpenMP to leverage the power of cutting-edge computational resources, such as Purdue's community clusters.

The mini course, which includes hands-on lab sessions, is designed to give C and Fortran programmers an introduction to programming with OpenMP. Participants should have a general knowledge of Linux and will gain a working knowledge of how to write OpenMP codes for scalable parallel computing. The NSF and ITaP are sponsoring the event.

More information: <https://www.rcac.purdue.edu/news/843>.
Questions: rcac-help@purdue.edu



SPRING FLING SET FOR MAY 25

Spring Fling and many of its traditional events will return this year to Memorial Mall.

The annual appreciation day for faculty, staff, graduate student staff and retirees will be
11:30 a.m. - 4:00 p.m.
May 25, 2016.

Spring Fling will offer many of the same activities as in years past, including lunch, a car show, fitness walk, DJ, and yard games. "Purdue's Got Talent," a talent-show activity, will be held in Stewart Center with several other indoor activities, including bingo, zumba and others to be determined later. The registration table and finish line for the annual fitness walk will be in Stewart Center.

Food service and eating space will be outside. Participants also will have the opportunity to give back by donating blood at the bloodmobile or to the Food Finders canned food drive.

<http://www.purdue.edu/springfling/Register/index.html>
<http://www.purdue.edu/springfling/Events/#freePlay>

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### **"SKILLS PERFORMANCE" TRAINING OPPORTUNITIES AVAILABLE FOR STAFF**



Purdue University - Training offers a wide selection of extension courses for both personal and professional growth. Taught by experts in their fields, the courses provide practical, hands-on experience. And, best of all, anyone can afford them. Take a look through their online catalog for courses that interest you. Then, register for the courses you want right now using the web site below!

Please click here to sign up for upcoming classes:  
<https://www.eventreg.purdue.edu/training/Home.aspx>

## OTHER NEWS

### ENDOWMENT FUND CREATED IN REMEMBRANCE OF PAUL BIRKHIMER (SUZANNE ZURN-BIRKHIMER'S HUSBAND)

As you may know, Paul Birkhimer, Suzanne Zurn-Birkhimer's husband, lost his battle with pancreatic cancer last summer. An endowment has been set up in his name, with the funds being intended to support the professional development for advisors in the School of Engineering Education, Paul's home school, where he was an advisor in the First Year Engineering Program. If you would like to contribute to this endowment, you may use the on-line form at <https://goo.gl/tiq42l> or you can set up a payroll deduction online through the OnePurdue Portal.

### COEUSLITE IRB TRAINING FOR INVESTIGATORS AT WL CAMPUS

CoeusLite training sessions for Purdue research faculty and staff are scheduled during the months of April and May. Human Research Protection Program (HRPP) and Coeus staff will demonstrate how to submit a new Institutional Research Board (IRB) protocol application through CoeusLite, followed by a question-and-answer session and one-to-one assistance on submissions.

The training sessions are scheduled, as follows:

- May 5** (TH): 1:00 - 3:30 p.m.
- May 13** (F): 9:30 a.m. – 12 p.m.
- May 16** (M): 8:30 – 11:00 a.m.
- May 26** (TH): 9:30 a.m. – 12:00 p.m.
- June 3** (F): 10 a.m. - 12:30 p.m.

Registration is needed. [Click here](#) to register for CoeusLite IRB trainings. Individuals will be notified of corresponding training locations after registration is initiated.

Group trainings may be requested by sending an email to [IRBCoeusLiteTraining@purdue.edu](mailto:IRBCoeusLiteTraining@purdue.edu), or calling the HRPP office at 765-494-5942.

### SUMMER WORKSHOP IN MATHEMATICAL MODELING OF EARTH'S DYNAMIC SYSTEMS

This workshop will be an intense, hands---on introduction to the creation and use of numerical models as a method for investigating the dynamics of Earth systems. Participants will learn how to translate their understanding of Earth processes into systems of differential equations, and solve them to test hypotheses concerning both modern and ancient systems. In addition, participants will learn how to apply and evaluate selected existing Earth system models. The short course is open to graduate students and faculty. The event is from **July 31- Aug 5, 2016** in University Park, PA. See the attached flyer for additional details and registration information.

### FUN FACT OF THE WEEK

What are the Earth's layers?



If you were able to hold the Earth in your hand and slice it in half, you'd see that it has multiple layers. Advances in seismology have allowed us to learn a great deal about the Earth and the many layers that make it up. Each layer has its own properties, composition, and characteristics that affects many of the key processes of our planet. They are, in order from the exterior to the interior – the crust, the mantle, the outer core, and the inner core.

### IMPORTANT NOTICE ABOUT THIS NEWSLETTER

This newsletter is used as the primary information source for current and upcoming events, announcements, awards, grant opportunities, and other happenings in our department and around campus. Active links to additional information will be provided as needed. Individual email announcements will no longer be sent unless the content is time-sensitive. We will continue to include our publications, presentations and other recent news items as well. Those using paper copies of the newsletter should go to our newsletter archive on the EAPS website at <http://www.eaps.purdue.edu/news/newsletters.html> and **Click on News** to access active links as needed. Material for inclusion in the newsletter should be submitted to Fallon McQuern ([fmcquern@purdue.edu](mailto:fmcquern@purdue.edu)) by **5:00pm on Thursday** of each week for inclusion in the Monday issue.

**If it is in the newsletter, we assume you know about it and no other reminders are needed.** For answers to common technology questions and the latest updates from the EAPS Technology Support staff, please visit [http://www.eaps.purdue.edu/resources/information\\_technology/index.html](http://www.eaps.purdue.edu/resources/information_technology/index.html).

Also, as an additional resource for information about departmental events, seminars, etc., see our departmental calendar at <http://www.EAPS.purdue.edu/events-calendar.html>

