Dear Earth & Mineral Sciences (EMS) Undergraduate Student,

Hopefully the chaos that typifies the first 2 weeks of the new semester has subsided, and you’re scheduled for the courses you wanted -- and that most (if not all) of those courses appear to be worth the price of admission!

Be advised that if you need to add a course you can do so only with the explicit permission of the course instructor. You’ll need her/his signature on a Registration Drop/Add Form (access http://www.registrar.psu.edu/student_forms/dropadd.pdf), and have the form processed at the office of the Department offering the course. Also be advised that dropping a course from your schedule will now cost you some of your Late Drop credits.

As always, if you have questions or concerns, contact your faculty adviser or us (Stacy, Jeff, or Liz) here in the Ryan Family Student Center.

CONTENTS:

ACADEMICS

- Keynote address by Beautiful Souls Author
- CAUSE 2014
- Intent to Graduate
- EMSAGE Presentation
- EMS Poster Exhibition
- GRE Preparation

STUDENT COUNCIL

- Next meetings
- Career Skills Night
- Career Reception
- GEMS Tailgate

CLUBS, ETC.

- Society of Energy Engineers

CAREERS, JOBS, INTERNSHIPS, ETC.

- Career Fair Recruiting
- Gain Hands-on Work Experience

MISCELLANEOUS

- Printing in the RFSC
KEYNOTE ADDRESS BY BEAUTIFUL SOULS AUTHOR, EYAL PRESS

All students, faculty and staff are invited to hear Eyal Press offer a keynote address based on his book Beautiful Souls, the inaugural book for the Penn State Reads program. Press will offer his remarks on Monday, September 9th at 7:30 pm in Eisenhower Auditorium. The World Campus will also be providing a live-stream of the event for all members of the Penn State community: http://worldcampus.psu.edu/beautifulsouls.

Beautiful Souls shares a series of dramatic stories about ordinary people who have engaged in extraordinary decisions to help others and to do the right thing, often at their own personal risk. The book causes readers to question what they would do in similar circumstances, and to consider how principles and loyalties influence actions.

The event is free, but tickets are required for admission. Student, faculty, and staff tickets can be picked up at the HUB Ticket Office. Those without tickets are welcome to watch the live-stream of the keynote lecture in Alumni Hall at the HUB.

Penn State Reads is designed to provide shared experiences among new students as they interact with faculty, staff, returning students, and community members. It is intended to encourage intellectual engagement within and beyond the classroom, stimulate critical thinking, and foster a deeper connection to Penn State's mission and core values. You can learn more about Penn State Reads and future events at: http://pennstatereads.psu.edu.

CAUSE 2014

Information Session: CAUSE 2014 Ridge to Reef: terrestrial effects on the near-shore marine realm

- **When:** Tuesday 9/10/13
- **Time:** 7:30-8:30 PM
- **Where:** 008 Deike Building

**What:** Humanity directs numerous insults on the marine realm but the near--shore marine environment is particularly vulnerable to human activities on land, such as changing land use, increased nutrient inputs and degraded water quality, increased sedimentation and refuse disposal, the introduction of invasive species, to name a few. These local to regional impacts are superimposed on a background of hemispheric to global scale stressors related to rising sea level, higher frequency of tropical storms, higher sea surface temperatures, and increasing ocean acidification. Combined, these challenge sustainability of near--shore marine environments that provide environmental, social and economic benefits to the resident human population.

When: Spring (2 credits), Summer (10 day field trip-1 credit) and Fall (3 credits). Students will register for EM SC 470W.

Where: The field program will take place in the Caribbean, exact location to be determined. The selected island will offer the potential to explore a range of terrestrial and marine environments with both relatively pristine and degraded land--- and seascapes. The islands being considered have all experienced substantial population growth---increasing stress on near---shore marine environments. The College of Earth and Mineral Sciences is subsidizing the course, but there will be an additional cost for the international travel of approx. $1800.00
ACADEMICS (CONTINUED)

Who: The Field program will involve land-based studies as well as SCUBA diving for coral reef surveys. The class will be open to non-divers, who will have the opportunity to obtain open water scuba diver certification if they choose to. However, diving will not be required. Any diving that does occur will be under the auspices of the Penn State Science Diving Program, and all divers must abide by the Science Diving standards and requirements.

Instructors: Lee Kump (Geosciences) lrk4@psu.edu; Robert Crane (Geography) rqc3@psu.edu; Tim White (Earth and Environmental Systems Institute) tswhite@eesi.psu.edu

Admission to the program is by Application.

INTENT TO GRADUATE:

The university makes no assumptions about when you'll graduate regardless of how many credits you've earned. If you intend to graduate in December (the ceremony is on Sat. December 21st) you must indicate your intent to graduate by accessing the eLion web site, https://elion.psu.edu/ no later than September 9th. Also, if you haven't downloaded your degree audit from eLion, do so! Most minus signs, indicating unfulfilled requirements, need to disappear in order for you to graduate. See your adviser! Now is the time to avoid a nasty surprise (i.e. not being eligible to graduate!). For hopeful May 2014 graduates, make sure that every course you will need to graduate is either on your Fall schedule or is offered in the Spring (yes, the Spring 2014 course schedule has been posted). Many courses are Fall-only. If you're careless you could be forced to be here next Fall to complete all of your required courses. Again, see your adviser!!

THE EARTH AND MINERAL SCIENCES ACADEMY FOR GLOBAL EXPERIENCES (EMSAGE)

For those of you new to EMS, or new to the UP campus, you're likely wondering: what is EMSAGE and why is there a list of students being honored posted in the Ryan Family Student Center? Simply put, EMSAGE is you! Every undergraduate student in EMS is, by virtue of their enrollment, a member of EMSAGE. You are a member of this academy, hence an Academician. Those of you who strive for excellence in scholarship, service, and experiential learning and global literacy can apply to graduate as an EMSAGE Laureate. This is one of your college's highest honors. Laureates are selected (via an application process) in the semester they intend to graduate.

We urge those seniors who have indicated their intent to graduate in December and who see their own years at Penn State reflected in the open-ended Laureate criteria to apply to be part of the college's cohort of Laureates. Access the EMSAGE Laureate application at http://www.ems.psu.edu/emsage_laureate.

If you wish to learn more about EMSAGE, please plan to attend the informational presentation to be Monday, September 23rd in room 010 Deike Building at 6:00 pm. Please note that Fall 2013 laureate applications are due no later than NOON Friday, October 25, 2013.

You may also direct questions about EMSAGE to Dean Nels Shirer’s office in 14 Deike. We urge all EMS undergraduates not graduating in December to embrace the EMSAGE spirit so that you will feel eligible for Laureate status in your graduation semester. You too are welcome to attend the presentation to learn more.
EMS POSTER EXHIBITION

Are you looking for an opportunity to get some CASH, to build your résumé, and to improve your communication skills? The Ryan Family Student Center is sponsoring the second annual EMS Undergraduate Poster Exhibition designed to help you accomplish the following specific goals:

➢ Learn how to summarize information and present it in a visually attractive manner;

➢ Gain more sophistication in your presentation skills by concisely and accurately explaining and defending your work;

➢ Demonstrate poise and mental agility before faculty and peers;

➢ Discuss your educational growth and maximize your networking opportunities;

➢ Become better prepared to participate in the spring University-wide Undergraduate Exhibition and develop a more complete EMSAGE application.

We encourage all EMS students to participate, including freshmen. This opportunity is NOT only for those doing laboratory research. Any experiential learning, creative activity, capstone projects, travel experiences, or educational experience relevant to the study of Earth and Mineral Sciences may serve as the subject of a poster. What you did this summer might provide just what you need to enter this poster competition.

Want to talk over some ideas? Make an appointment with your Giles Writer-In-Residence, Kimberly Del Bright (kdb9@psu.edu). You can also go to our website: http://www.ems.psu.edu/ugposterexhibit

And plan to come to a poster workshop on **October 9 in Room 8 Deike from 6 to 7 p.m.** Don’t delay. The RFSC will pick up the cost for printing for “early bird” submissions.

GRE PREPARATION COURSE

If you are considering graduate school, Penn State-UP’s Office of Career Services will be offering its popular (and low-cost) GRE preparation course again on the weekend of November 9-10, 2013 (mark your calendars early).

Registration eventually will be available on-line at https://psu-csm.symplicity.com/events/YohoGRECourses
See attached flyer
NEXT MEETINGS

- EMS THON - Wednesday September 11th, at 6:00 PM in 22 Deike Building
- EMS Student Council - Wednesday September 18th, at 6:00 PM in 22 Deike Building

At our last meeting we chose our homecoming theme as Pirates of the Caribbean. Despicable Me and the Lion King placed second and third respectively; if another group in the parade has already registered with Pirates, then we will go with our second or third place choice. Send Rachel Deckman, EMS Homecoming Chair, t-shirt design ideas at rod5151@psu.edu!

CAREER SKILLS NIGHT

The EMS Student Council is hosting the 2nd Annual Graduates of Earth and Mineral Sciences (GEMS) Career Skills Night. Bring your resumes and try them out with our GEMS board members – most of whom are hiring officials and have a lot of experience in what a good resume should be. We’ll also have “speed interviewing” sessions where you can try out your interview skills one-on-one and get some valuable, individual advice to help you land that first job. Bring a copy of your resume!

- **When:** Wednesday, September 18th, 7:00-8:30 PM (after the EMS Student Council Meeting)
- **Where:** 22 Deike Building

CAREER RECEPTION

Join the Student Council for the annual EMS Career Reception on Thursday, September 19th from 7:00 pm to 9:00 pm in the EMS Museum (Deike Building). Students from all year levels are encouraged to attend. This is a great way to meet with recruiters and professionals representing a number of fields in EMS. Refreshments will be served. The Student Council will be distributing resume CDs to all employers in attendance; please e-mail Ryan Breton (rtb5153@psu.edu) your resume by Friday, September 13th to have it included

- **When:** Thursday, September 19th, 7:00 - 9:00 PM
- **Where:** EMS Museum (Deike Building)

GEMS TAILGATE

A week of networking finishes off with a tailgate for the Penn State vs. Kent State football game. The Graduates of Earth and Mineral Sciences will be hosting a tailgate for undergraduates, faculty, staff, and alumni from the College of EMS. Come out for great food and an awesome opportunity to network!

- **When:** Saturday, September 21st, 2 hours prior to kickoff (TBA)
- **Where:** Porter Gardens at Lubrano Park (outside the baseball stadium)
CLUB MEETINGS

SOCIETY OF ENERGY ENGINEERS

The Society of Energy Engineers (SEE) will have their first meeting of the year on Tuesday September 10th at 6:00PM in 026 Hosler. Open to all students interested in Energy Engineering. Come out and see what we have planned for this year. Pizza served beforehand!

Questions please contact Ian Wolfe irw5014@psu.edu

CAREERS, JOBS, INTERNSHIPS, ETC.

CAREER FAIR RECRUITING

ERG is a multi-disciplinary consulting firm offering a broad range of professional services. We assist our clients in analyzing pollutant releases, evaluating public health risks, assessing appropriate and cost-effective control technologies, and utilizing green design and sustainable development strategies.

We're looking for bright, enthusiastic candidates with science and engineering backgrounds such as:

- Biological Systems Engineering
- Biology
- Chemical Engineering
- Chemistry
- Civil Engineering
- Energy Engineering
- Environmental Engineering
- Environmental Resource Management
- Environmental Science

Please visit us at booth CON-119 at the Penn State Career Fair on September 19, 2013, where we will be speaking with candidates about positions in our Chantilly, Virginia, office. Apply for a position by viewing our job posting on the Nittany Lion Career Network and submitting your resume and transcript. We will be interviewing on campus on October 21, 2013. To learn more about ERG, visit our website at www.erg.com. (See flyer attached at the end of the announcements)

GAIN HANDS-ON WORK EXPERIENCE

- Federal work study awards or exceptions
- Service learning with children
- Work in schools, community non-profits & nature centers
- All majors, all years, all campuses
- Open enrollment every semester
- World campus students and distance learners welcome

AMERICA READS @ PENN STATE Sites: psu.edu/americareads ARteam@psu.edu
SCHOLARSHIPS

Nothing reported at press time.

ADDITIONAL INFORMATION

PRINTING POLICY IN THE RFSC: This semester we are continuing to allow unlimited printing by EMS undergraduate students on our two printers. We are pleased to continue granting this privilege to our students, but we must caution all students to respect this resource. In past semesters, a few students have abused this privilege by printing excessive numbers of pages, which has driven up the costs considerably. If this excessive printing continues, then we may need to change our policy in future semesters.

Beginning this semester, we will be monitoring each individual's usage to identify those who are printing an unusually large number of pages; the wise student will be thoughtful and judicious and off the overage radar.

Please do your part throughout the semester to ensure continued free and unlimited printing for everyone.

Thanks to all and have a great fall semester!

Our hours are 8:00AM to 8:00PM Monday - Thursday, 8:00AM - 5:00PM on Friday.

Find the Student Center on Facebook at http://www.facebook.com/group.php?gid=103366709698590&ref=ts

Sign up!

Have a safe and satisfying balance of your weekend! New students, we'll see you tomorrow!

Your EMS Student Center Staff: Jeff, Stacy, James, Liz, Tim, Del, Martha, Rhonda, Nels, Linda (Dillon and Jeff our work study students)
Environmental Consulting Services
ERG—Chantilly, VA

ERG is a multidisciplinary consulting firm offering a broad range of professional services. We assist our clients in analyzing pollutant releases, evaluating public health risks, assessing appropriate and cost-effective control technologies, and utilizing green design and sustainable development strategies.

We are looking for bright, enthusiastic candidates with science and engineering backgrounds who are interested in working on multidisciplinary teams to conduct projects covering a wide variety of topics such as:

- Process engineering and chemistry
- Field sampling and analysis
- Technology evaluation
- Industry studies
- Pollution prevention and resource conservation
- Environmental release/exposure estimation
- Cost/benefit analysis
- Facility and environmental planning
- Environmental Science

Degrees sought include but are not limited to: chemical, civil, environmental, and energy engineering, environmental resource management, biology, and chemistry.

- Visit us during the Penn State Career Fair on **Thursday, September 19, 2013** at booth CON-119.
- Apply for a position by submitting your resume and transcript through the Nittany Lion Career Network. We will be interviewing on campus on **Monday, October 21, 2013**.
- For more information, please visit our website at www.erg.com.
Information Session:

CAUSE 2014

Ridge to Reef: terrestrial effects on the near-shore marine realm

When: Tuesday 9/10/13
Time: 7:30-8:30 PM
Where: 008 Deike

What: Humanity directs numerous insults on the marine realm but the near-shore marine environment is particularly vulnerable to human activities on land, such as changing land use, increased nutrient inputs and degraded water quality, increased sedimentation and refuse disposal, the introduction of invasive species, to name a few. These local to regional impacts are superimposed on a background of hemispheric to global scale stressors related to rising sea level, higher frequency of tropical storms, higher sea surface temperatures, and increasing ocean acidification. Combined, these challenge sustainability of near-shore marine environments that provide environmental, social and economic benefits to the resident human population.

When: Spring (2 credits), Summer (10 day field trip-1 credit) and Fall (3 credits). Students will register for EM SC 470W.

Where: The field program will take place in the Caribbean, exact location to be determined. The selected island will offer the potential to explore a range of terrestrial and marine environments with both relatively pristine and degraded land---and seascapes. The islands being considered have all experienced substantial population growth---increasing stress on near-shore marine environments. The College of Earth and Mineral Sciences is subsidizing the course, but there will be an additional cost for the international travel of approx. $1800.00

Who: The Field program will involve land---based studies as well as SCUBA diving for coral reef surveys. The class will be open to non---divers, who will have the opportunity to obtain open water scuba diver certification if they choose to. However, diving will not be required. Any diving that does occur will be under the auspices of the Penn State Science Diving Program, and all divers must abide by the Science Diving standards and requirements.

Instructors: Lee Kump (Geosciences) lrk4@psu.edu
Robert Crane (Geography) rqc3@psu.edu
Tim White (Earth and Environmental Systems Institute) tswhite@eesi.psu.edu

Admission to the program is by Application.