



EEB GRAD NEWSLETTER

November 13, 2008

Dates and Deadlines

November 27-30 – Thanksgiving Recess
December 10 – Last day of classes
December 12 – Final Exams begin
December 19 – College of Science Commencement
December 20 – UA Commencement

EEB News

Suzanne is here one more week!

If you have any questions for Suzanne, please stop by her office before Friday, November 21st.

Course News

RNR 696A: Restoration Ecology, Spring 2009

Instructor: Don Falk (dafalk@u.arizona.edu).

Restoration ecology is an important emerging strategy for the protection and management of biological populations, communities and ecosystems. Ecological restoration is the process of assisting the recovery of an ecosystem that has been degraded, damaged, or destroyed by human activities or natural processes. In today's world, such impacts are pervasive and increasing; thus, ecological restoration is growing in importance, as more and more ecosystems become affected by human impacts. In this seminar, we will review the basic theory of restoration ecology, which draws on disciplines of ecology, soil science, hydrology, landscape ecology, and other fields. Using case studies, we will examine how restoration has been used to improve the health and function a variety of terrestrial and aquatic ecosystems. We will also address the relevance of restoration ecology for preserving biodiversity in a world of rapidly changing climate, land use, and global human population.

Organization for Tropical Studies (OTS) Courses for Graduate Students

Opportunities abound for graduate students to take OTS courses and we are pleased to provide the following web link to the "OTS graduate course calendar for 2008-2009". To access the calendar, click where it says "Download the Graduate Courses 2008-2009 Calendar". This web page also serves as the portal to individual graduate courses.

http://www.ots.ac.cr/index.php?option=com_content&task=category§ionid=6&id=61&Itemid=326

Lectures/Workshops

Energy, Sustainability, and the Environment -- A Lecture Series

Presented by The University of Arizona College of Engineering, College of Science and the Eller College of Management

"Public Policies for a Sustainable Future"

By

Paul R. Portney

Dean, Eller College of Management

4:00 pm, Thursday, November 13, 2008

Center for Creative Photography Auditorium

It's one thing to long for a more environmentally sustainable future, but quite another to design a set of policies to take us there that will command reasonably broad political support. Dean Portney will discuss what he regards as the principal energy and environmental challenges facing the country and identify the types of approaches that seem most likely to succeed.

For more information please visit sustainability.arizona.edu

Graduate & Professional Students from Across Campus are Invited to Attend

Leadership Development for Graduate Students:

A Series of FREE Workshops to Prepare You for Success in Your Career

Presented by

Alaina G. Levine

Director of Special Projects, College of Science, The University of Arizona

Director, UA Professional Science Master's Program in Applied Science & Business

Eller Entrepreneurial Scholar

When you graduate, why not emerge with a competitive edge? Your scholarly talents are established, but in these workshops, you will learn essential skills, strategies and techniques that will ensure your scholarly accomplishments shine even more brightly. As you begin the job-search and career-search process, the information you gain in these workshops will help you figure out what careers are right for you, how to triumph in your career (whether it is in academia or industry), and to become and establish and brand yourself as a leader in your field. Ultimately, you will gain the ability and agility to find and land career (and other) opportunities that are exciting, challenging, and intellectually stimulating, and fulfill your career and life goals.

Get the Job: Before, During and After the Interview

What you need to know and do to get the job from the first moment of contact to the moment you leave the interview.

Location: La Aldea Community Room (825 E 5th St)

Tuesday, November 18, 2008

5:00-6:00pm

Note: Although the workshops are meant to build on each other, you can choose to attend as many as you want.

Refreshments will be provided

UTC Workshop Schedule Fall 2008

All workshops are held at the University Teaching Center
1600 E. First Street (southeast corner of Cherry & First)

As you enter the front doors take the first hallway to your left. The first door on the left is our classroom.

- Friday, November 14, 11:00 am-12:30 pm *Theatre Tips For the Classroom* -Jean Sidden
- Wednesday, November 19, 3:00-4:30 pm *Teaching Science* -Erin Dokter

RSVP to Michael Vitale mav@EMAIL.ARIZONA.EDU

Academic Writing Workshop for International Graduate Students

Dissertations-Theses-Seminar Papers-Articles for Publication-Grant Writing-Reports

Writing Center - Department of English
December 29 - January 16, 2009

Workshop space is limited to 12 people
Bear Down Gym – Room 200

The Academic Writing Workshop is designed to help International Graduate Students with their academic writing. The workshop is limited to only 12 people, so we can focus on your individual work and writing needs. The Workshop runs a full three weeks of intensive focus on your writing.

The Academic Writing Workshop focuses on many levels of writing:

- Focus & Clear Arguments (we will analyze and refine thesis statements and supporting evidence).
- The Craft and Style of Writing (we can start to address abstract ideas, such as “flow” and strong sentence formations).
- Grammar & Mechanics (we will focus on what rules you need to know for your writing, applying those rules in class).
- Organization of Ideas (we will look at your road-mapping, your transitions, and how your ideas develop into one another).
- Development & Support (we will consider the audience and what level of information/ description that is best suited to particular purposes).
- You receive a tremendous amount of time and attention focused on your writing:
- The Workshop meets Monday, Wednesday, and Friday at 9:00-12:00.
- Small groups of two to four students and the instructor also meet twice during the three-week period (time & place determined during the workshop).

The instructor will also meet with all participants one time after the three-week period (appointments are made during the workshop period) for a final one-on-one conference. Seats are limited in the Workshop; we are only able to accommodate 12 students for the December 29 – January 16 dates. The cost of the Academic Writing Workshop is \$500

(checks can be made payable to the University of Arizona). DEADLINE TO APPLY:
December 15

Mail payment to: Writing Program - Department of English, PO Box 210067, University of Arizona, Tucson AZ 85721-0067 or deliver to Modern Languages 380. Include your name, address, phone, email and what graduate program you are enrolled in. If you are interested or have any questions, please contact Anne-Marie Hall at 621-3553 or by email at hall@email.arizona.edu

Dynamic Deserts: Resource Uncertainty in Arid Environments

Feb. 26-March 1

Arizona State University

<http://sols.asu.edu/frontiers/2009/index.php>.

Registration opens Dec. 1 and they haven't announced a date for abstract submission. If you have any questions about participating in this conference, or if you want to be notified when registration opens, send an email to: resource.uncertainty@gmail.com <<mailto:resource.uncertainty@gmail.com>>.

Addressing the Health Effects of Climate Change...Are We Prepared?

DuVal Auditorium

University Medical Center

1501 North Campbell Avenue, Tucson

November 14, 2008

7:00 PM – 9:00 PM

The Health Effects of Climate Change

Jeremy Hess, MD, MPH, Consultant, National Center for Environmental Health Centers for Disease Control, Atlanta, Georgia

Meeting the Challenge: The Public Health and Community Response

To request a disability-related accommodation, such as a sign language interpreter, please contact us. Requests should be made as early as possible to allow time to arrange the accommodation.

Limited free parking will be available at the UA visitor's parking lot East off Martin, between Mabel and Helen Streets, West of Campbell Avenue.

Sponsored by Access Tucson, Sustainable Tucson, Physicians for Social Responsibility, Pima County Medical Foundation, Arizona Public Health Association, Arizona Health Sciences Center, Arizona Academy of Family Physicians, Tucson City Council Members Rodney Glassman and Nina Trasoff, and the UN Association of Southern Arizona
Call 325-3983 for more information.

Graduate College News

<http://grad.arizona.edu/>

Graduate Certificate in Water Policy

The University of Arizona has responded to the growing public and professional interest in water policy by establishing a new Graduate Certificate in Water Policy. The

Certificate builds on the world-renowned expertise of UA faculty and programs in all aspects of water resources.

The University of Arizona's Graduate Certificate in Water Policy offers breadth and depth of education. The Certificate is intended for two different and complementary groups of people who want to build their expertise in water policy: working professionals pursuing the Certificate only and UA graduate students concurrently enrolled in a graduate degree program. There is flexibility in both course selection and schedule, to meet the specific needs and interests of a variety of students. The program is interdisciplinary. Although there are some administrative details that differ between working professionals and UA graduate students, all people admitted to the program must fulfill the same substantive requirements.

To earn the Water Policy Certificate, students must successfully pass 12 units of graduate credit, which is typically equivalent to four semester-long courses. These courses can be taken during a single semester of full-time study or spread out over two or three years. Much of the course-work emphasizes local and regional water policy issues in Arizona and the Southwestern U.S. However, students can also focus on broader national and international issues.

- Applying to the Water Policy Certificate program is a simple process (see *How To Apply* <<http://www.gcwp.arizona.edu/apply.php>>).
- For more information, please see the rest of this website, including our *FAQ* <<http://www.gcwp.arizona.edu/faq.php>>, or contact the program's Faculty Coordinator, Carl Bauer (see our *Contacts* <<http://www.gcwp.arizona.edu/contacts.php>> list).
- University of Arizona graduate students (both current and prospective) should also discuss the Water Policy Certificate with their program advisors.

Job Opportunities

No current updates

Graduate & Professional Student Council (GPSC)

<http://www.gpsc.arizona.edu/>

Travel Grant Program

The Graduate College, in conjunction with GPSC, awards travel grants for graduate and professional students who are attending or presenting research at academic or professional conferences. (In cases where an applicant will not be making a presentation, the student statement and the faculty letter of recommendation, included in the travel grant application, should explicitly explain the importance of attendance for the student's professional development.) – Next deadline December 1, 2008.

Scholarships/Fellowships

NSF fellowships for research on vegetation-climate interactions in the Amazon

National Science Foundation (NSF) graduate fellowships (\$30,000 per year, for up to two years) are available starting in the **2009-2010** academic year for Amazon-PIRE

(Partnership for International Research and Education) for ecology and earth-system science students to study vegetation-climate interactions in the Amazon basin (Brazil).

Amazon-PIRE fellows must be admitted to a participating Ph.D. program at the University of Arizona or Harvard University. Fellowships support United States citizens or permanent residents, and include an annual stipend, tuition, health insurance, and travel to Brazilian field sites and collaborating institutions.

Amazon-PIRE is a U.S.-Brazilian partnership addressing the question, "**What is the future of Amazon forests under climate change?**" and promoting international education, collaboration, and exchange. Research focii include long term observations (via eddy flux measurements, forest plot surveys, physiological measurements, remote sensing, and aircraft sampling), experimental manipulations (in the Tropical Forest Biome of Biosphere 2), and modeling.

Amazon-PIRE is committed to diversity in education, and encourages the application of women and underrepresented minorities.

Key **Application deadlines** for relevant academic programs begin on **Dec 8, 2008**.

See the program website (<http://www.amazonpire.org/opportunities.php>) for deadlines and details, or email amazonpire@arizona.edu.

Dissertation Support, 2009-10, Diversity Visiting Scholars

A number of colleges and universities in the Northeast region are offering dissertation-year stipends for 2009-10 (\$24,000-\$32,000). Successful applicants spend one year as Visiting Diversity Scholars at the host campuses while they work on completion of their dissertations. Details can be found at www.diversityoncampus.com Deadline for applications: Jan. 1, 2009. The director of the Visiting Scholars Program, JoAnn Moody, PhD, JD, serves as a mentor-at-large to all Visiting Scholars. Questions should be directed to her at: joann.moody@earthlink.net.

Ariel Appleton Research Fellowships for 2009

Sponsored by The Research Ranch Foundation And Wells Fargo

Purpose: To support non-destructive research in the natural sciences, with emphasis on conservation ecology focused on species, communities, ecosystems and ecosystem services, or human ecology in desert, grassland, savanna, and riparian areas of the Sonoran and Chihuahuan ecoregions.

Amount: \$2000 per fellowship, which is considered to cover costs of the study, including room, board, transportation, and minor equipment. Payment will be made directly to successful applicants.

Duration: Study to be completed within one year.

Eligibility: Undergraduate students or graduate students currently enrolled at recognized academic institutions.

Dates: Complete electronic applications must be received on or before 1 February 2009 by W. R. Osterkamp (wroster@usgs.gov). Awards will be announced on 1 March 2009.

Application Requirements: applications must be received electronically, and must include four parts in the order given below:

- Biography of applicant including field experience, relevant courses completed, and other information the applicant deems relevant.
- Research proposal, not to exceed two pages, that describes the work to be accomplished, its ecological or biophysical significance, relevance to contemporary ecology or earth science, and a tentative timeline. All information, excluding literature citations, must adhere to the two-page limit.
- A one-page budget.
- A letter of support from the faculty advisor stating that the applicant is capable of conducting the proposed research. Letter describes level of supervision or indicates how the work can be accomplished independently. Student's work plan also must be endorsed by the student's faculty advisor.

Note: It is emphasized that (1) special consideration will be given to projects that involve the Appleton-Whittell Research Ranch of the National Audubon Society, near Elgin, Arizona (applicants are encouraged to consider this site for part or all of the field work), and (2) research to be conducted at the Research Ranch must be non-destructive relative to habitat, ecosystems, and biophysical resources. If the proposed study is to be conducted at the Research Ranch, applicants must complete and submit a separate application for work to Linda Kennedy, Director, Appleton-Whittell Research Ranch of the National Audubon Society, HC 1 Box 44, 366 Research Ranch Road, Elgin, AZ 85611 (lkennedy@audubon.org; 520-455-5522), in addition to applying to us for a fellowship. Research Ranch application forms and information about the site can be found at <http://www.audubonresearchranch.org>.

Address questions to W. R. Osterkamp (wroster@usgs.gov; 520-670-6821 ex. 113).

American Association for the Advancement of Science Science and Technology Policy Fellowships

Since 1973, nearly 2,000 AAAS Science & Technology Policy Fellows have bridged the divide between science and public policy, gaining significant knowledge about the federal government while helping promote science in the U.S. and around the globe. Year-long opportunities are available in approximately 30 congressional offices and 15 federal agencies in Washington, DC.

Benefits:

Stipend: Approximately \$69,000 to \$90,000 (depending on years of experience and previous salary)

Relocation Allowance: Up to \$4,000 for the first-year Fellows with stipends via AAAS
Travel/Training Allowance: Minimum of \$4,000 for Fellows with stipends via AAAS. Must be approved by supervisor

Eligibility & Criteria:

- U.S. citizenship is required
- Applicants must hold a PhD or equivalent degree (DVM, MD, etc.) in any physical, biological, medical/health, or social/behavioral science, any field of engineering or any relevant interdisciplinary field

- A master's degree in any engineering field plus 3 years of post-MS degree professional experience also qualifies
- All degree requirement must be completed by the application deadline, 15 December 2008
- Federal employees are not eligible

Application Deadline December 15, 2008

For complete information and to apply online visit: <http://fellowships.aaas.org>

ARCS FOUNDATION, INC. Achievement Rewards for College Scientists

The University of Arizona Graduate College is now accepting applications for the Achievement Rewards for College Scientists (ARCS) Scholarship. This prestigious award supports outstanding graduate students in fields related to science, technology, and engineering.

Scholarship Funding: A cash award of \$9,000 (the \$7,000 scholarship stipend from the ARCS Foundation, a \$2,000 stipend from the Scholar's college), a \$500 travel grant, and full coverage of tuition (excluding miscellaneous student fees). Support ranges up to 3 years. Based on current standard graduate student tuition at 9 graduate units, the value of the award for an Arizona resident is \$15,564. (Any non-resident Scholar will have his or her non-resident tuition portion covered as well).

Eligibility:

- U.S. citizen
- admitted to UA Ph.D. program in science, technology, and engineering fields.
- developed research focus which will positively impact the "health and/or welfare of mankind"
- a cumulative GPA of 3.5 or higher (no exceptions)
- intention to pursue a career in the same field of study

Application: Available from Suzanne

Deadline: Applications in paper form with original signatures must be submitted to the Graduate College by November 17, 2008, 5:00 pm for internal selection by a faculty review committee. Selected candidates will be forwarded to the ARCS Foundation, Phoenix Chapter, Scholarship Committee for consideration of award. All applicants will be notified of the status of whether his or her application was nominated for the ARCS Foundation Scholarship. The ARCS Foundation Scholarship Committee notifies the status of forwarded applications in February 2009.

Questions: Dorian Voorhees, Assistant Dean, Graduate College, 621-3471 or voorhees@grad.arizona.edu .

2009 Ford Foundation Diversity Fellowships

Applications are now being accepted for the 2009 Ford Foundation Diversity Fellowships Program for Achieving Excellence in College and University Teaching. Full eligibility information and on-line applications are available on the National Academies Web site at: <http://nationalacademies.org/fellowships>

Eligibility Requirements:

- U.S. citizen or national;
- Planning a career in teaching and research at the college or university level in a research-based field of science, social sciences, or humanities

Stipends and Allowances:

- Predoctoral--\$20,000 to the fellow, institutional allowance of \$2,000 for three years
- Dissertation--\$21,000 for one year
- Postdoctoral--\$40,000 for one year, \$1,500 employing institution allowance, to be matched by employing institution
- Awardees have expenses paid to attend one Conference of Ford Fellows

Approximately 60 predoctoral, 35 dissertation, and 20 postdoctoral fellowships sponsored by the Ford Foundation and administered by the National Research Council of the National Academies

Application Deadline Dates:

- Predoctoral: November 14, 2008
- Dissertation: November 28, 2008
- Postdoctoral: November 28, 2008

For further information, contact:

Fellowships Office, K576

National Research Council of the National Academies 500 Fifth Street, NW Washington, DC 20001

Phone: (202) 334-2872

Fax: (202) 334-3419

E-mail: infofell@nas.edu

Miscellaneous

University Libraries: Acquisition Budget Spending Reduction

Due to inflation and a flat budget, the University Libraries must reduce its spending on information resources by \$1.26 million dollars. This reduction will come primarily from cuts in the Libraries' book budget and the cancellation of journal and database subscriptions.

How will we make these reductions?

Reductions, as always, will be made in consultation with faculty, researchers, graduate students and other key stakeholders. We will also take into account campus priorities as they evolve from the Transformation Process and look forward to working with the campus on these issues.

In addition, we will use data to guide the selection of materials for cancellation by:

- Evaluating use statistics and cost per use data for targeting the cancellation of lesser-used materials
- Reviewing all electronic databases, journal packages, and other aggregations of full text materials for overlapping content
- What will this mean?

- We will reduce print purchases most heavily. This will impact small society publishers and university presses.
- We will lose access to electronic journals and some databases in specialized areas.
- We will rely more on interlibrary loan to support some of our programs and will continue to work on ways to reduce turnaround time.
- We will provide access to more materials through patron-initiated purchase plans and leases, rather than own more materials.

Timetable

- Sept-Dec 2008 - Library identifies & compiles needed data & information about information resources
- Nov-Dec 2008 - Library identifies potential cancellations & reduction amounts
- Jan-Feb 2009 - Library solicits feedback from UA faculty, students, researchers & other key stakeholders on potential cancellations
- Mar 31 2009 - Cancellations will begin on March 31, 2009 for time-sensitive renewals
- Sept 2009 - Final Report to Faculty on cancellations
- Oct 2009 - Final Cancellations

To communicate with the University Libraries about the spending reductions, please email: spendingreductions@u.library.arizona.edu

Tenth- Annual Graduate and Professional Education Teaching and Mentoring Awards

The Graduate College is pleased to issue a Call for Nominations of awards to acknowledge teaching and mentoring excellence in graduate education. Two such awards will be given. Details of the nomination process are below.

All nomination packets (6 copies) are due on Tuesday, December 9th, 2008 in Room 302 of the Administration Building. You are welcomed to resubmit a nominating packet from the 2007-2008 award competition for any candidate (except a previous winner). The two award recipients will be honored during the Awards of Distinction Reception and Ceremony, April 15, 2009, along with other award recipients.

Please help us acknowledge the outstanding contributions of our faculty.

Graduate and Professional Education Teaching and Mentoring Awards Criteria

- | | |
|--------------|--|
| Sponsor: | Graduate College |
| Purpose: | To acknowledge teaching and mentoring excellence in graduate education |
| Amount: | Two awards of \$2,500 each |
| Cycle: | Annual |
| Eligibility: | Tenure-track, tenured and non-tenure eligible faculty who have taught at least one graduate level course during the previous calendar year or who can otherwise demonstrate a long-standing commitment to graduate education. |
| Nomination: | Candidates may be nominated by students, staff, faculty members, department heads, graduate program directors or deans. Please do not self-nominate. Nominated candidates must submit supporting information and teaching documentation. |

- Selection: A committee composed of Graduate Council members will review the completed nomination packets and make their recommendations to the Dean of the Graduate College.
- Presentation: Winners will be recognized at the Awards of Distinction Reception and Ceremony April 15, 2009, recognizing excellence in teaching.
- Due Date: December 9, 2008
- Contact: Cynthia Ann Bjerk-Plocke, Office of the Dean, Graduate College, 621-7815 or cbjerk@grad.arizona.edu

CHECKLIST/ORDER OF MATERIALS (Maximum length of packet is 50 pages).
PLEASE PROVIDE SIX COMPLETE PACKETS.

- Nomination letter(s), specifically addressing qualifications for the award.
- Two-page curriculum vitae.
- List of Graduate courses taught within the last three years.
- Teaching evaluations: peer evaluation and student evaluations from the last three years.
- Letters of support with at least two letters from graduate students.

Submit your Nomination Packet (6 copies) to:
Dr. Andrew C. Comrie
Dean of the Graduate College, Administration 302
P.O. Box 210066
by December 9, 2008