I. DWRC NEWS

Mentors / Projects Needed: 2015-16 DWRC Undergraduate Internship Program

- Current project proposals:  

- Application information: http://ag.udel.edu/dwrc/internships.html

Students having a 3.0 GPA or better enrolled at any Delaware institute of higher learning (except those graduating in Spring 2015) may apply through Mar. 27, 2015 for DWRC’s undergraduate internships and earn up to $3500 at the rate of $10 per hour worked. DWRC’s research and education opportunities are especially attractive to undergraduates seeking mentored experiences leading to publication and possibly a degree with distinction or senior thesis. All interns must have the active support of a mentor who matches intern earnings 2:1, usually through a commitment of time to the project. Advisors may mentor up to two students concurrently.

If you would like to mentor a deserving DWRC intern and/or propose a project of up to 350 hours to be completed by Feb. 29, 2016, contact Maria Pautler at 302-831-0847 or mpautler@udel.edu.

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Internship project topics are diverse. Here is one project that would be best suited to a communications, marketing, or journalism major:

Community Engagement Internship - Chesapeake Watershed Implementation Plan
(Read more about this project on the next page.)
Improvements in water quality require planning and cooperation. The goal of this project is to inform communities about the Chesapeake Watershed Implementation Plan and establish community-based efforts to reduce pollutant loads that reach and impair the Chesapeake Bay waters.

The Community Engagement Intern will work directly with the DNREC Community Ombudsman to support the development of the Chesapeake Bay Watershed Implementation Plan’s Diversity Action Team. The position will be housed at the DNREC Site Investigation and Remediation Section, 391 Lukens Drive, New Castle, Delaware, 19720. The student will be expected to work from this location during the summer months. The incumbent will improve communications and outreach efforts to multicultural communities by identifying: local organizations and contacts, baseline knowledge of water pollution, and opportunities to inform and educate by utilizing local media sources used by the audience we seek to engage.

It is our goal to expand the diversity of the workforce and communities involved in Chesapeake restoration and conservation activities based on race, income levels, faith, gender, sexual orientation and disability. The intern will: develop direct questionnaires and telephone surveys; conduct the survey of the watershed; analyze survey; evaluate communications alternatives and set priorities; and develop and publish a final project report.

Additional duties include: compiling contact lists of multi-cultural organizations and contacts within the Chesapeake Bay Watershed; developing surveys to identify community-based organizations and the baseline knowledge of watershed residents; identifying the demographic characteristics of the targeted communities; inventorying and cataloging local media including radio, television, social media, newsletters, periodicals; creating or updating ACCESS databases; and preparing mailings and print production.

Interested? Contact James Brunswick (DNREC), James.Brunswick@state.de.us or Joseph Farrell (UD), jfarrell@udel.edu.

Friday, April 17, 2015: Free DWRC 2014-15 Undergraduate Internships research project Poster Session, part of larger session sponsored by UD Undergraduate Research Scholars Program. 2:00 – 4:30 PM., UD Trabant University Center Multipurpose Rooms A, B & C, Newark, DE. (http://maps.rdms.udel.edu/map/index.php?id=NW22)

Visit http://www.udel.edu/water/ to learn about the activities of UD WATER (Watershed Action Team for Ecological Restoration).

Learn about other internship project possibilities by visiting the links in Section II below.

Now celebrating our 50th year, new developments within the DWRC will be reported in future issues. A current intern success story is found on the next page.
Shining the spotlight on a finishing 2014-15 DWRC intern, UD environmental science major Amanda Doremus shares her experience with exploring water quality from paired bioretention basins on UD’s south campus. Doremus, whose work was co-sponsored by UD’s Department of Plant and Soil Sciences and directed by Dr. Carmine Balascio, writes, “The DWRC internship research project I have been working on studies bioretention stormwater control measures and their ability to treat stormwater in compliance with regulations. The purpose of this specific research is to compare the results of water treatment using a standard Delaware Department of Natural Resources and Environmental Control (DNREC) media verses an advanced media within the bioretention system. Over the past summer, I collected stormwater samples of major rain events from three water samplers. One sampler collected water after it had passed through the standard DNREC media; another, after it passed through the advanced media. The third sampler was located at the head of the system to capture untreated stormwater. Before storm events, I programmed each of the samplers, and then afterwards I collected the samples and brought them back to the lab. Each week I ran phosphorus and nitrogen tests in the water lab; several other tests were done as well. Since it is now winter and there are no major storms to prepare for, I have been working on maintenance of the samplers and compiling data that have been recorded thus far. I have enjoyed working on this part of the research and am excited to see the conclusions of the project.”

II. JOBS IN WATER RESOURCES

2015-16 Delaware Water Resources Center undergraduate internships. See I above.

GET ENRICHED! - UD College of Agriculture and Natural Resources internships are listed at http://canr.udel.edu/current-undergraduate-students/canr-resources/internships/

Visit http://www.ceoe.udel.edu/academics/jobs-internships for news about jobs and internships through the UD College of Earth, Ocean, and Environment.

Visit http://denin.udel.edu/fellowships-internships for news about fellowships and internships through the Delaware Environmental Institute.
Job listings with the Delaware Nature Society, also celebrating its 50th anniversary, are found here: 

III. UPCOMING WATER CONFERENCES / EVENTS

Mar. 6-8, 2015: Lights, Camera, EARTH! 
Co-sponsored by the Delaware Environmental Institute, UD’s environmental film festival, free and open to the public, will be held in Mitchell Hall on UD’s main campus. Learn more at the festival website: http://www.denin.udel.edu/lce-film-festival.

Saturday, Mar. 7, 2015: Delaware Environmental Summit
This annual summit will be held at Wesley College in Dover, DE, starting at 9:30 AM. The plenary session will include several short presentations about emerging issues in the First State and there will be four breakout sessions. Register by Wed., Mar. 4 by visiting http://delaware.sierraclub.org/2015-environmental-summit.

Mar. 24 OR 26, 2015: Home Gardener Workshop - I Hate My Lawn (but I want to learn to love it!)
Grow the lawn you want with fewer chemicals and less water! This comprehensive course will help you recognize lawn problems and learn how to cure them. Topics include soil conditioning, choosing a grass type, sod versus seed, fertilizing, mowing, pest management and more. Held at the New Castle County Cooperative Extension Office from 6:30 – 8:30 PM. Fee charged. E-mail cjmurphy@udel.edu to register.

Hosted by the University of Delaware at the Clayton Hall conference center, this educational conference also includes a skills-based workshop and field trips. Find the many details by visiting http://chapter.ser.org/midatlantic/annual-conference/ and http://www.eventbrite.com/e/society-for-ecological-restoration-mid-atlantic-chapters-10th-annual-conference-tickets-15013521848

Apr. 11, 2015: Spring Community Clean-up Day
9:00 – 11:00 AM. Meet at the City of Newark Municipal Building. T-shirts will be given to the first 200 volunteers. Visit http://www.cityofnewarkde.us.

Apr. 18, 2015: Kids’ Greenfest, presented by the Newark Center for Creative Learning. Deemed “Sustainable Fun for Everyone!,” this free event runs from 10:00 AM – 3:00 PM. Visit http://www.ncclschool.com/

Apr. 25, 2015: UD College of Agriculture and Natural Resources 40th annual Ag Day, themed “Farm to Table” and UD Botanic Gardens Spring Plant Sale. Rain or shine, 10:00 AM – 4:00 PM. Visit http://ag.udel.edu/agday.
The Delaware Section of the American Water Resources Association meeting information is found at http://www.deawra.org/.

### IV. WATER RESOURCES INFORMATION / TRAINING


**National Groundwater Awareness Week is March 8-14, 2015.** For details visit http://www.ngwa.org/Events-Education/awareness/Pages/default.aspx.

**Every Drop Counts - Fix a Leak Week is March 16-22, 2015.** For details visit http://www.epa.gov/watersense/our_water/winter2015.html.

Learn more about the **Mar. 22, 2015 World Water Day** by visiting http://www.unwater.org/worldwaterday/.

For the calendar of 2015 spring semester **UD Plant and Soil Sciences** seminars visit http://canr.udel.edu/plsc/plsc-seminar-calendar/.

The **DENIN** events calendar is found here: http://denin.udel.edu/events.

**Sierra Club Student Coalition** offers Summer Programs (SPROG) for Environmental Leadership Training. Visit http://www.ssc.org/.

Welcome new subscribers! Contributions, comments and questions are always appreciated. Water E-News serves citizens interested in topics on Delaware water resources and is published by the Delaware Water Resources Center, University of Delaware. Our address: 113 Townsend Hall, Newark, DE 19716-2103. Phone: 302-831-0847; fax: 302-831-0605; Web: http://ag.udel.edu/dwrc/. Dr. Gerald Kauffman, Director, email jerryk@udel.edu; Maria Pautler, Program Coordinator, email mpautler@udel.edu. To unsubscribe, email mpautler@udel.edu with “Unsubscribe Water E-News” in the subject line.