SUNY-ESF Outreach E-news
June 2009
A regular update on some of SUNY-ESF’s outreach programs, projects, partnerships and people.

SUNY Certificate of Advanced Study in Bioprocessing
We are very pleased to announce the expansion of the SUNY College of Environmental Science and Forestry Advanced Certificate in Bioprocessing for the 2009-10 academic year. This graduate-level program, created in 2004, is designed around a focused, advanced, and practical education in the knowledge and skills of bioprocessing, along with consideration and commitment to a support structure for program participants.

This year the program is newly formatted with a “hybrid” approach, which will allow us to continue to serve participants from Central New York, as well as participants from a much larger geographical region. Participants will engage in five intensive weekend on-campus course sessions in combination with a “distance learning” class meeting approach. This change will give you the benefit of face-to-face meetings for labs and other group work, along with the opportunity to continue working throughout the program and staying on your career trajectory.

As in the past, participants earn fifteen graduate credits through five courses as well as a post-baccalaureate Certificate of Advanced Study, which is a State University of New York (SUNY) and New York State Education Department approved certificate. Apply today!

High school opportunity to get a head start on college
If you know a rising high school senior or recent 2009 high school graduate, please share this with them! Introduction to Green Entrepreneurship is a three-credit course taught by Gary Lim, an experienced entrepreneur and the Kauffman Foundation Entrepreneurship Professor at ESF, along with an outstanding team of instructors and speakers. Join Professor Gary Lim along with distinguished guest speakers and jump start your skill development in the areas of business communication, strategy and planning, funding and seed capital, company and team formation, product launch, networking, sales pitches and more!
The course will be held July 27 – 31, 2009 on the SUNY-ESF campus.

Register now for ESF Online in the fall
SUNY-ESF announces that ESF Online is accepting registration for next semester! ESF Online is a web-based approach to teaching and learning that will enable people working full time or seeking careers, as well as part-time and full-time students from high schools and colleges throughout the U.S. and beyond to register for ESF courses as a part-time or non-matriculated student.
- The Global Environment and the Evolution of Human Culture (EFB 120)
- Climate Change Solutions and Sustainability (ESC 296)
- Concepts in Watershed Hydrology (FOR 296)
- Seminar on University Outreach and Engagement (EFB 796)

Read More
We are also pleased to announce that ESF was recently awarded a NASA Global Climate Change Education grant. Led by Dr. David Johnson (Department of Chemistry), the NASA project team includes Dr. Rick Beal (ESF Outreach), Dr. Lindi Quackenbush (Environmental Resources and Forest Engineering), Dr. Bob Malmhseimer (Forest and Natural Resources Management), and Dr. Chuck Spuches (ESF Outreach).

2009-10 ESF Online course offerings will include
- The Global Environment and the Evolution of Human Culture,
- Climate Change Solutions and Sustainability,
- Concepts in Watershed Hydrology, and
- University Outreach: Focus on Online Learning.

**NYS Geographic Information Systems conference**
The NYS Geographic Information Systems (GIS) conference welcomes your abstract submissions – due by **Monday, June 24, 2009**. Topic ideas include, but are not limited to...GIS efforts involving collaboration and technology, climate change, energy, site sustainability, asset management, data on the Internet, or best practices in government, education and the private sector. If you’re doing it, we’re interested! [Click here to submit a presentation abstract](#)

**ESF in the High School Student Participates in Intel Science Fair**
Sara Coffey is a senior at Liverpool High School and a student in the [ESF in the High School](#) Global Environment class. Her teacher is Carol Matthews. Sara was selected to participate in the Intel International Science and Engineering Fair in Reno, NV, where she presented her research on "How the Addition of Amendments (Fertilizer and Nutri-Brew) Affects the Growth of *Zea Mays* (corn) on the Solvay Waste Beds". The event showcased the work of more than 1,500 exceptional high-school science students from more than 50 countries.

**Summer Youth Programs**
The [ESF SCIENCE](#) and [Stewards of Syracuse](#) are ESF Outreach summer youth programs for Syracuse City School District students. Four [ESF Science Corps](#) student members will lead the urban ecology and environmental stewardship activities:
- Brandon Murphy is the graduate student team leader. Brandon is working on an MS in ecology and his research is on inland salt marsh restoration on the Solvay waste beds around Onondaga Lake. Brandon graduated from LaFayette High School.
- Amanda Giangiobbe is a senior in environmental studies (communication and culture). She has worked with children with learning disabilities and inner city youth. Amanda graduated from Marcellus High School and wants to become a science teacher.
- Kate Hibbard is a senior in conservation biology. She’s done conservation field work in Ireland and has been involved with the willow biomass project at ESF. Kate graduated from East Syracuse Minoa High School and plans to teach science.
- Fernando Maldonado is returning for his second year in the ESF SCIENCE Corps. Fernando grew up in the Bronx, and has previously worked for the Bronx Botanical Garden and as an assistant football coach. He is majoring in environmental biology.

**Stewards of Syracuse**
The [Stewards of Syracuse](#) program explores urban ecology through hands-on environmental conservation stewardship programs specifically designed to enhance participants’ awareness and appreciation of natural resources in the urban environment. ESF partners with CNY Works and Syracuse City Parks & Recreation to inspire youth to better understand their natural environment and its influence in their daily lives. Outreach staff participated in a CNY Works participant recruiting event in May.
- Listen to [NY State Funds Summer Jobs For At-Risk Youth](#) from WRVO, 5/27/09
- Read and watch [CNY Works employs youth](#) from News 10 Now, 5/20/09
**Girl Scouts Visit Campus**
Fifty Girl Scouts completed their Earth Connections badges at ESF in May. The scouts learned about being an ecologist, identifying trees, the connections between plants and people, and about the way natural and human systems are linked. Activities were led by NSF GK12 Fellows who work in partnering *ESF in the High School* schools to enrich student science learning.

**SUNY-ESF Outreach Calendar – What’s Happening in May, June and July**

**June 3-4, 9-10, 16-17**
Department of Environmental Resources and Forest Engineering, **Stormwater Management Series**, instructed by Donald W. Lake, Jr., P.E., CPESC, CPSWQ, Engineering Specialist, and co-instructed by John Dunkle, P.E., CPESC, CPSWQ, of Dunn & Sgromo Engineers. SUNY-ESF is pleased to present a series of day-long workshops on stormwater management and planning.
[Information and Registration](#)

**June 3**
ESF Outreach hosts the **Spring Environmental Summit** for ESF in the High School Students from 9:00 am - 2:00 pm. in 135, 139, 140 Baker. Students will present their research projects to Outreach staff.

**July 13 - 16**
SUNY-ESF in partnership with SUNY Morrisville, instructed by Dr. Gay Canough (Founder/President, ETM Solar Works) will hold a 4-day **Basic Photovoltaic Installer and Maintenance Training course**, SUNY SPARE (Solar Power as Renewable Energy) at SUNY Morrisville. Due to high demand, this course is full. If you are interested, please check back to our website for dates coming soon in 2010.
[Information](#)

**July 27 – 31**
Department of Forest and Natural Resources Management and Environmental Resources and Forest Engineering along with ESF Outreach present **Introduction to Green Entrepreneurship (FOR 296)**, instructed by Gary Lim, founder and president of Aurarius LLC and Visiting Professor of Entrepreneurship at SUNY-ESF. This 3-credit summer course for rising high school seniors and recent (2009) high school graduates will introduce students to the challenges and goals of creating a start-up venture in environmental science or technology. Students will develop the ability to recognize trends in the marketplace and where commercial opportunities can be created. Additional topic areas include the life cycle of a company, analysis of potential of sustainable ventures, critical success factors, and key start-up issues unique to science and technology firms.
[Information and Registration](#)

**SAVE THE DATE: November 5th**
We are proud to announce that this year’s Sustainable Use of Renewable Energy (SURE) program is offered by SUNY-ESF as a collaborative effort of the **Sustainable Enterprise Partnership (SEP)**.
The SEP, a collaborative effort led by SUNY-ESF, the Whitman School of Management (Syracuse University), and the Syracuse Center of Excellence in Environmental and Energy Systems, takes a distinctive, transdisciplinary approach to world-class education and research on sustainable enterprise.
SURE 2009 is supported, in part, by a NYS Department of Labor grant in partnership with CNY Works as part of a five-county regional coalition involving the Workforce Investment Boards of Onondaga (CNY Works), Cortland, Madison, Fulton and Oswego Counties, the Metropolitan Development Agency and other organizations.

For a complete listing of SUNY-ESF Outreach events, please visit our calendar at http://www.esf.edu/outreach/calendar.asp

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