



ESF Outreach

SUNY-ESF Outreach E-news

May 2009

A regular update on some of SUNY-ESF's outreach programs, projects, partnerships and people.

Featuring 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!](#)
[Information](#)

Exciting opportunity for rising high school seniors and recent (2009) high school grads

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. Introduction to Green Entrepreneurship reflects ESF's long standing commitment to sustainability and the commitment we share with business, education, public and nonprofit organizations to engage you in learning experiences that help you improve your world. This course also reflects Central New York's leadership in renewable energy research and education.

Please forward this information on to students you know who may be interested! The course will be held July 27 – 31, 2009 on the SUNY-ESF campus.

[Information and Registration](#)

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)

Seminar on University Outreach and Engagement (EFB 796)

[Read More](#)

NSF GK12 Annual Meeting

Six of the [National Science Foundation Graduate Teaching Fellows in K-12 Education](#) (NSF GK12 Fellows) and Outreach staff member Terhi Majanen traveled to Washington, DC March 27-29 to attend the annual NSF GK12 meeting. The program is in its 10th year of operation, and there are nearly 150 projects nationwide in over 120 institutions. In addition to our project at ESF there are ten others in New York State. Our Fellows presented a poster entitled [Three Steps to Success – From Students to Scientists](#). The Fellows also shared a document entitled *A Research Guide for Students and Teachers*. This 80-page step-by-step guide goes through the research process from starting a project to collecting and analyzing data, and presenting research in writing and orally. The Research Guide received a lot of very positive attention, and you can [download the guide](#) or request a CD in the mail.

Greater Syracuse Scholastic Science Fair

Four students from the [ESF in the High School](#) Global Environment course at Nottingham High School presented the results of scientific research done in the class at the 30th Annual Greater Syracuse Scholastic Science Fair (March 29) at Solvay High School. The participants were Shannon Lynch, Amrita Stultze, Ana Thor, and Paul Traver. The group was led by teacher Myriam Ibarra, with research guidance from Fellow Yazmin Rivera. In addition to numerous awards and honorable mentions for the group, Paul was the 9th-12th grade winner of a High Honors award and Amrita an Honors Award. More than 215 students from across Central New York participated.

News Article

Lisa Lowenberg's *ESF in the High School* class was featured in the Post Standard (3/3/09) article "[Students unplug lives: Chittenango's Global Environment class spends weekend in 1979](#)". In this exercise students were asked to live like Lisa did 30 years ago, and cell phones were missed the most! NSF GK12 Fellow Neil Patterson partners with Lisa at Chittenango High School.

Road Shows

NSF GK Fellows lead inquiry-based activities called "road shows" at participating *ESF in the High School* schools to infuse scientific research and literature reflecting the themes of the Global Environment course. Participating teachers request road shows they feel will best engage and excite their students about course themes and issues. From September to May 60 road shows have been completed in nearly all of the 26 participating schools. The activities are listed under four main categories: ecology, biogeochemistry, sustainability, research & ethics ([road show descriptions](#)).

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

May 6-7, 13, 20-21, 27 | 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](#)

May 12

ESF Outreach will host an **Information Night** for the [Introduction to Green Entrepreneurship](#) (ERE 296) course from 6:30 pm - 8:00 pm. in Marshall Hall, Alumni Lounge (Nifkin). This information night will be helpful for rising high school seniors or recent (2009) high school graduates and their parents/guardians who are interested in taking the Introduction to Green

Entrepreneurship (FOR 296) Course at SUNY-ESF the week of July 27-31, 2009. Students will be able to register for the course this evening. Call Maura Stefl at 315-470-6889 to RSVP.

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 Innovations, 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.

[Information](#)

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

ESF Outreach

221 Marshall Hall | SUNY-ESF

1 Forestry Drive, Syracuse, NY 13210

315-470-6817 (voice) | 315-470-6890 (fax)

outreach@esf.edu (e-mail) | www.esf.edu/outreach