RecycleMania Contest 1
Calendar 2
Green Courses in Sustainability 3
America’s Next Eco Star 4
In the Garden 5-7
  Urban Harvest and Recipes 5
  This week in Photos 6
  Volunteers 7
Internships 8-12
  Green Build Education 8
  Keep Houston Beautiful 8
  Urban Harvest Business/Acc’t 9
  Urban Harvest Comm. Gardens 10
  Urban Harvest Writer 10
  Urban Harvest Farmer’s Mkt 11
  Urban Harvest Youth Gardens Instruction & Curriculum 11-12
Udall Scholarship 13
Dell Social Competition 14

To sign up or for more information, e-mail wdgarnr@central.uh.edu
January 2012

27 Horticulture Society Weekly Meeting

28 Urban Harvest  Class: Peaches, Plums, Persimmons & More

29 Urban Harvest  Class: Sustainable Living through Permaculture 2

30 Urban Harvest  Class: Starting a Community/School Garden 2

31 America’s Next ECO Star Competition Deadline

February 2012

01 Recyclemania Sign Up Deadline

02 Udall Scholarship Deadline
Urban Harvest  Class: Growing Organic Vegetables

Bauer Connect  Lars Herbst,  After Deep Water: Safety in US Waters
6:00 - 8:00 pm, Cemo Hall - Stubblefield Auditorium

03 Urban Harvest  Class: Pruning: Grapes, Muscadines, Jujubes, Persimmons & Mulberries
Horticulture Society Weekly Meeting

04 Urban Harvest  Class: Propagate Your Own Plants

13 Dell Social Innovation Challenge Deadline

interested in getting INVOLVED

EMAIL volunteer.greenuh@gmail.com TO SIGN UP
GREEN COURSES IN SUSTAINABILITY

ARCHITECTURE
ARCH 4367 Case Studies in Sustainable Architecture
Green Revolution, sustainability, and ecological restoration. Sustainability measurements including biomimicry, ecological footprint, embodied energy, and full cost accounting. Building components sustainability by CSI division. LEED certification overview.

BIOLOGY
BIOL 4206 Ecology and Evolution Laboratory
Field and laboratory exercises illustrating concepts in evolution, ecology, and animal behavior.

BIOL 4368 Ecology
Current concepts of the interrelationships between organisms and the environment.

CIVIL ENGINEERING
CIVE 6391 Environmental Engineering Microbiology
Fundamental aspects of microbiology and biochemistry as related to environmental pollution and water quality processes, engineering energetics and kinetics of microbial growth, and biological fate of pollutants.

CIVE 6322 Stormwater Management Detention pond analysis and design, stormwater analysis and management alternatives, governmental criteria, and computer programs.

CIVE 6361 Engineering Hydrology
Distribution and flow of water in the hydrosphere. Engineering methods to quantify and model rainfall, runoff, recharge, and groundwater flow. Conceptual models and application of computer methods for hydrological analysis and design problems.

CIVE 6388 Hazardous Waste Processes
Physical and chemical principles of solid and hazardous waste treatment processes; mass conservation equations, transport phenomena, phase equilibria, fluid flow in porous media with applications to soil vapor extraction, soil vapor extraction, soil leaching/flushing, stabilization, and bioremediation processes.

CIVE 3331 Environmental Engineering
Introduction to air, water, and environmental pollutants, and concepts of design for treatment.

CONSTRUCTION MANAGEMENT
CNST 6380 Lead & Green Construction Principles in Const Management
Green construction methods and benefits in applying the Leadership in Energy and Environmental Design (LEED) principles.

CURRICULUM AND INSTRUCTION
CUIN 4305 Teaching Environmental Education
Curricula, methods, and materials for K-12 environmental education.

ELECTRICAL, COMPUTER ENGINEERING
ECE 6397 Selected Topics (Solar Cells)

ECONOMICS
ECON 6345 Energy Economics

ENGLISH
ENGL 3396 Selected Topics (Witt. Eco-City; Focus Houston)

GEOLOGY
GEOL 1340 Earth Systems
Earth's dynamic systems emphasizing the interactions among the atmosphere, hydrosphere and lithosphere. Includes the processes by which the Earth was formed and continues to be modified as well as how humans affect and are affected by those processes.

GEOL 3332 Geology of U.S. National Parks
Geologic evolution of North America and its landscape as illustrated by selected national parks and monuments of the United States.

GEOL 3333 Earth Resources
Mineral and energy resources of the planet Earth; their origin and discovery. Environmental impact of their exploitation; future prospects.

GEOLOGY CONTINUES
GEOL 3342 Introduction to Air Pollution
Structure of the atmosphere, anthropogenic and natural emissions of pollutant precursors, meteorological influences on pollutant transport and diffusion, chemical transformations, and health effects of pollution.

GEOL 3377 Oceanography
Introduction to the world's oceans and oceanic processes.

LAW
LAW - Env'l, Energy, & Policy Law Jrnl
The Journal publishes two issues a year. One issue includes feature articles, casenotes and comments concerning current issues dealing with energy and the environment. The second issue includes topical articles drawn from our annual symposium. Both publications include articles covering recent developments that provide brief and timely discussions on interesting cases, administrative actions, publications, and events.

LAW 5216 Clean Water Act
Learn the structure and regulatory scheme of the federal Clean Water Act. Examine activities and entities regulated, means of regulation and significant interpretive court cases, and current developments and evolving issues.

LAW 5397 Selected Topics (Climate Change Law)
This course will focus on the foundations, options and challenges to the use of environmental law to address climate change and to determine the obligations or liability of parties allegedly contributing to it. We will review the current state of knowledge about the science underlying climate change findings and predictions, examine how environmental and tort laws have adapted to address earlier novel environmental threats and risks, explore the fast-growing network of international agreements, federal regulations and state laws that govern emissions of greenhouse gases or attempt to prepare for climate change effects, and assess how courts have responded to climate lawsuits and their specific legal challenges and evidentiary. Our examination will center on a practical examination of how this new field of law will affect real-world legal policies, permitting lawsuits, and transactions.

LAW 6221 Environmental Enforcement
This course will focus on how agencies and courts enforce environmental laws and the critical role that enforcement plays in assuring compliance and protecting the environment. We will review the principles of civil and criminal liability under environmental laws, assess ways to design effective environmental regulations, examine how federal and state agencies use these tools, and craft techniques to help clients minimize their potential liability. Our examination will center on practical strategies to manage these liabilities particularly in regard to CERCLA, RCRA and the Clean Water Act. This course will use a combination of lectures, class discussions, in-class exercises and sample problems, and case studies. We will use role-playing exercises to give students experience in real-life enforcement negotiations and prosecutions.

LAW 6362 Natural Resources Law
Natural Resources Law is the body of legal rules and processes that govern the human use, management, and protection of nature. In this course, we will survey the history of resource acquisition and management, as well as current mechanisms for the management, use, and preservation of natural resources including wildlife, wilderness, rivers, national parks, and energy. Among the issues we will consider the history, jurisdiction, and authority of land management agencies and various statutes such as the Endangered Species Act, the National Environmental Policy Act, and the Federal Land Policy Management Act. Throughout our study of these doctrinal issues, we will also consider competing ideas about how and why natural resources should be valued, used, and conserved.

LAW 7333 Seminar: Energy, Law & Policy
Students may choose a topic on any issue related to energy, resources, and the environment. The seminar requires that students submit key stages of the research on a defined timetable of deadlines. The class meets weekly and focuses on research techniques in the first weeks. Class readings cover general energy issues of the day, but are kept light so that students can focus on their research topic.

MANAGEMENT INFORMATION SYSTEMS
TECH 4310 Future of Energy & Environment
Social patterns that will drive alternative energy and environmental conditions in the future.

MECHANICAL ENGINEER
MECT 4397-01 Energy for Society
This is an introductory undergraduate course to provide information on energy literacy. Specifically, the course will address all possible sources of energy, conventional and alternatives, and recent developments and challenges in new energy technologies. Furthermore, the course will address global energy needs, environmental impact of fossil fuels, sources of renewable energies, and how to achieve a sustainable society by utilizing various energy sources. The outcome of the course is intended to educate our students to understand local, national, and global needs of energy, available energy resources, potential new energy sources, and energy efficiency.
We recently launched America’s Next Eco Star in partnership with the U.S. Department of Energy to recognize the next generation of our energy leaders. We are looking for eco-savvy students with leadership experience on issues of sustainability to compete for the nationally recognized title of America’s Next Eco-Star. The winner will receive an all-expenses-paid trip to the Salzburg Global Seminar’s Sustainable Futures Academy and a summer fellowship with us at SmartPower.

The winner’s school will also receive $1,000 to put towards sustainability programs!

DEADLINE IS JANUARY 31, 2012

vist www.americasnexbecostar.com for more information
Recipe of the Week

Grilled Peaches With Raspberry Yogurt and Almonds

Ingredients
1/2 cup fresh raspberries
1 cup nonfat Greek yogurt
2 peaches, pitted and halved
2 teaspoons agave nectar
1/4 cup sliced and toasted almonds

Directions
• Place the raspberries and the yogurt into a blender and blend until the mixture is smooth and the raspberries are completely broken apart.
• Remove from the blender and refrigerate covered until serving.
• Preheat a nonstick grill pan over medium high heat.
• Rub the agave nectar over the peaches so they are completely coated.
• Place the peaches skin side up onto the preheated grill pan and grill for 4 to 5 minutes or until the peaches have caramelized and are tender.
• Remove the peaches from the grill pan to serving plates.
• Spoon some of the raspberry yogurt over each peach and sprinkle with the toasted almonds and serve.

Nutrition Facts:
Calories 100, Total Fat 3 g, Sat Fat 0 g, Cholesterol 0 mg, Sodium 20 mg, Total Carb 15 g, Dietary Fiber 2 g, Sugar 11 g, Protein 7 g

THIS WEEK in PHOTOS

Season Transformation

Pomegranate Bush

Green Onions

Cauliflower

Cilantro

Basil
VOLUNTEER
February
0 5
2 - 4 P M
Join
C.L.A.S.P
to
plant
oregano
the corner of Cullen & Wheeler

VISIT us on  

email volunteer.greenuh@gmail.com to sign up
Green Build Education

Green building immersion opportunity: Volunteer with the Program Director of the City of Houston Green Building Resource Center serving the mission: “To enable the public to experience and learn more about healthy and energy, water, and material conserving design and construction; also known as Green Building.”

Ongoing activities include updating over 50 displays (and creating new displays) to educate the public about green building materials and strategies, preparing for green building tours and green building education seminars, updating the website (www.codegreenhouston.org), and collaborating with staff of the Texas Gulf Coast Chapter of the US Green Building Council. Volunteers will also benefit from exposure to many visitors from the building industry. Internship is offered for minimum 4 hrs/week, consecutively. Interested? Email the Director at steve.stelzer@houstontx.gov

Communications, Grant Writing: Keep Houston Beautiful

Keep Houston Beautiful is the city’s leading organization in beautification, litter reduction and recycling education. For 28 years, Keep Houston Beautiful has been reaching out to all segments of our community to educate and empower individuals to take greater responsibility for beautifying and enhancing Houston’s environment. Each year’s successes have created a cleaner and healthier city for all Houstonians. Keep Houston Beautiful strives to provide continuous education and public awareness efforts that support and promote sound waste management activities, plan, develop and implement neighborhood-based litter cleanup programs and activities, coordinate and implement landscaping improvements, as well as, maintain fiscal sustainability and accountability. Continued on next page. Email rbeaty@houstonbeautiful.org
Keep Houston Beautiful con’t

Job Duties:
Grant Writing; Keep Houston Beautiful has invested in a program that lists grant opportunities available through various organizations. The intern will be responsible for identifying grants that will be beneficial to the organization and completing and submitting those grant applications;
Assist community organizers with completing cleanup packets and registering their event with Keep Houston Beautiful and Site Box Score retrievals; Sending communications to KHB volunteer database; Assist with Adopt a Block processing

Qualifications
• Detail oriented with the ability to juggle a number of projects simultaneously
• Self starter who takes the initiative to get the job done
• Team player who is open-minded and flexible
• Must possess excellent verbal and written communication skills
• Proven experience and ability in graphic design highly preferred.
• Familiarity with Microsoft Word, Excel, Access, Outlook, PowerPoint, and HTML Programming
• Must be able to pass a criminal background check
• Must be professional, creative, and have a positive attitude

Urban Harvest Business/ Accounting Intern
This position will include any or all of the following:
• Accounts payable disbursements
• Schedules of disbursement in Excel
• Spreadsheets of expense reports
• Database management
• Comparison reports of budgets vs. actual
• Membership communications
• Department reports
We can work with you on the number of hours needed. juli@urbanharvest.org or call 713-880-5540
Urban Harvest Community Gardens Intern
Can include any or all of the following:
Gain/use knowledge of bioregional gardening, which includes information on vegetables, fruits, herbs and habitat plants; Assist community gardeners in maintaining gardens; Promote ecological pest management; Assist with managing gardens; Community building; Volunteer recruitment; Help build gardens

Physical requirements and working conditions
Ability to work with frequent interruption and to simultaneously supervise a variety of tasks; Ability to stand, stoop, reach and bend. Mobility of arms to reach, dexterity of hands to grasp and manipulate large and small objects.; ability to read small print; ability to stand for long periods; Ability to lift, push and/or pull objects, which may weigh approximate 50 pounds; Ability to work outdoors in a physically demanding environment; We can work with you on the number of hours needed

For more information contact Becky Blanton at becky@urbanharvest.org or call 713-682-9480

Urban Harvest Writer Intern
Writing is needed in all of our programs and can include any or all of the following:
articles for our newsletter; class descriptions for our website; farmers Market descriptions for the website and weekly newsletter; fundraising assistance; advertising for classes, farmers markets and community gardens; spanish translation is needed periodically, but not a requirement for internship
We can work with you on the number of hours needed

Email gary@urbanharvest.org or call 832-656-2819
Urban Harvest Farmers Market Intern
Responsibilities include general operations at any of our five farmers markets. Work with the intern coordinator to design a program specific to your strengths and needs. This can include any or all of the following: small business management; general accounting; digital communications; marketing. We can work with you on the number of hours needed.

For more information contact Rebecca O’Brien at rebecca@urbanharvest.org or call 203-788-3886.

Urban Harvest Youth Garden Instructor and Outreach Coordinator Intern
To apply send resume and cover letter to schoolandyouth@urbanharvest.org or call Carol Burton at 281-865-1966. Twelve hours weekly, but can be negotiated to fit your needs. Internship can include any or all of the following: TEACHING: Primary age group: Elementary School Students from PreK-5th Grade. Class size average between 10-20 students. Independently or with a mentor garden instructor, lead students through propagation, planting, cultivation, and maintenance activities in the school outdoor classroom; which will include vegetable gardening, and habitat gardens, orchard, compost area and pond. Con’t on next page
Urban Harvest Youth Garden Instructor and Outreach Coordinator Intern, Con’t

Lead students in ecology and food sustainability based activities in school gardens; Work with a mentor garden instructor to teach students a variety of subjects, including: nutrition, math, science, language arts, and art, in the school outdoor classroom; Lead cooking lessons incorporating produce students have grown; Be a positive role model and mentor students in the outdoor classroom.

GARDEN SITE SUPPORT: Manages and maintains assigned school outdoor classroom equipment, school gardens with students and, if needed, participates in planning and preparation time; Coordinate program nutrition activities with all garden instructors; co-procure nutrition and garden related supplies and distribution to school sites; End of summer camp; Create inventory spreadsheet of youth program materials inventory; Co-procure replacement youth gardening materials, tools and fall seed inventory.

COMMUNICATION, LEADERSHIP, AND OUTREACH: Communicates routinely with Director of Youth Gardening, Programs Specialist and/or members of the school partner site garden staff team; Co-coordinate and participate in youth gardening outreach events, such as community garden workday, school harvest celebrations, and/or youth farmers market event; Write thank you letters to community partners and supporters of Youth Gardening summer programs; Collect data from program surveys and design a spreadsheet, assessing qualitative and quantitative data of school summer camp programs, such as, number of total student participants and/or garden fruit and vegetable taste test preferences; Write impact report to summarize collected data from end of summer camp surveys; Use multi-media software of choice, photography and videographer proficiency a plus, to create presentation or outreach materials highlighting the program success and impact in creating healthy communities.
The Udall Scholarships are available to students in any of the three categories:

Students who have demonstrated a commitment to careers related to the environment including policy, engineering, science, education, urban planning and renewal, business, health, justice, economics, and other related fields; or

Native American and Alaska Native students who have demonstrated commitment to careers related to tribal public policy, including fields related to tribal sovereignty, tribal governance, tribal law, Native American education, Native American justice, natural resource management, cultural preservation and revitalization, Native American economic development, and other areas affecting Native American communities; or

Native American and Alaska Native students who have demonstrated commitment to careers related to Native health care, including health care administration, social work, medicine, dentistry, counseling, and research into health conditions affecting Native American communities, and other related fields.

Applicants must be a sophomore or junior-level student, have a grade-point average of at least a “B” or the equivalent, be pursuing full-time study during the 2012-2013 academic year, and be a U.S. citizen, U.S. national, or U.S. permanent resident. All application and letters are due no later than February 2, 2012.

Visit http://www.udall.gov/OurPrograms/MKUScholarship/WhoCanApply.aspx or get in contact with Karen Weber at kweber@uh.edu or for more information.
Want to change the world?

What if you had an idea to change the world—could you make it happen? For university students around the world, the answer is YES! I’m thrilled to announce that the 2012 Dell Social Innovation Challenge (DSIC) is kicking off for this year. The Dell Challenge is our partnership with The University of Texas (UT) that provides a unique opportunity for university students from around the world to solve a social or environmental problem. We believe with a supportive community, tools, training, resources and a business venture competition, that any university student can—and should—change the world.

During the past six years, more than 3,000 inspiring social innovation projects stemming from 90 countries have been submitted through the Dell Social Innovation Challenge. We’ve provided mentoring, tools and more than $350,000 in cash prizes to teams from around the world.

Now it’s your turn. If you are a university student anywhere in the world and you have an idea that you think can change the world, we want to know. Whether it’s a way to provide struggling communities with clean water or a plan to implement sustainable living techniques across rural areas—when it comes to making a true impact on the world around you, there is no idea too big or too small. Deadline is February 13, 2012.