

3–3:50 PM (continued from inside)

LUC 111

Environmentalism Old and New: An Examination of the Environmental Movements of the Early 1900s and Now Dr. Natalie Schuster, History

This talk will compare and contrast the early strains of U.S. environmentalism in the 1900s with the modern environmental movement. Varying tactics, goals and leaders will be discussed, paying particular attention to what worked and what did not.

LUC 113

Sierra Club Adventures Jesse Wise, Western Maryland Conservation Coordinator, Sierra Club

This presentation focuses on the activities of the Western Maryland Sierra Club Group, focusing on the grassroots efforts that led to the statewide ban on hydraulic fracturing and discussing current activities and goals moving forward.

4–4:50 PM

LUC 111

Forever Green: Sustainable Burials Dr. Jennifer Flinn, Psychology

Green burials are becoming an increasingly popular option in society, where individuals can choose to be buried in a natural setting with none of the materials usually used in modern burial. Supplemental material will be provided by FSU biology students.

LUC 232

Atkinson Room

Fracking Ban in Maryland: Citizen Action Brings Results Ann Bristow and Nina Forsythe

In 2015, the Maryland General Assembly adopted a two-year moratorium on hydraulic fracturing (also known as fracking) in Maryland to allow time to study its impacts. In the interim, prompted by grassroots groups of citizens organized to advocate for the passage of bans on fracking, municipal and county governments in the state began to adopt ordinances to ban fracking in their jurisdictions. Ultimately, the movement influenced state politics and a ban on fracking in Maryland is now a reality. This presentation will describe these efforts and highlight key lessons learned about organizing in the face of power dynamics in local and state government, as well as in the media within the Appalachian region and beyond.

6 PM – SPECIAL PRESENTATION, *Documentary featuring Leonardo DiCaprio*

ARMAH

Before the Flood, Free and Open to the Public



If you could know the truth about the threat of climate change, would you want to know?

Before the Flood, presented by *National Geographic*, features **Leonardo DiCaprio** on a journey as a United Nations Messenger of Peace, traveling to five continents and the Arctic to witness climate change firsthand. He goes on expeditions with scientists, meets with political leaders fighting against inaction and discovers a calculated disinformation campaign orchestrated by powerful special interests working to confuse the public about the urgency of the growing climate crisis. With unprecedented access to thought leaders around the world, DiCaprio searches for hope in a rising tide of catastrophic news.

From Academy Award-winning filmmaker Fisher Stevens and DiCaprio, an Academy Award-winning actor, environmental activist and U.N.

Messenger of Peace, *Before the Flood* presents a riveting account of the dramatic changes occurring around the world due to climate change, as well as the actions individuals and a society can take to prevent the disruption of life on the planet. The film urges viewers to push their elected officials in supporting the use of alternative energy sources such as solar and wind power.

“We need everyone to demand bold action from their political leaders and to elect representatives who have their best interests at heart, not the interests of corporations to perpetuate a cycle of greed and destruction,” said DiCaprio. “This documentary shows how interconnected the fate of all humanity is — but also the power we all possess as individuals to build a better future for our planet.”

UPCOMING EVENTS

3 PM, Thursday, April 20 – March

Meet at
Clock Tower

Bobcats for Science March

The Bobcats for Science March will protest the censorship and defunding of science and related agencies occurring in today's political atmosphere. It is for those who can't make the Science March in Washington, D.C., on April 22 and anyone interested or passionate about the advancement of all sciences. This will be a fun event that strives to make a statement and bring the campus and the community together under one common goal.

9:30 AM–4:30 PM, Sunday, April 23 – One-Day Workshop

Gira Center 397

Climate Change in Copenhagen, 2009: An Interdisciplinary Reacting to the Past Role-Playing Game

Keynote Speaker: Dr. Tianna Bogart, Geography

This workshop will introduce the Reacting to the Past role-playing game, *Climate Change in Copenhagen, 2009*, an interdisciplinary, experiential education activity designed to teach college students about the science, politics, history, ethics and economics of climate change.

Advance registration is required. Participants will receive roles and game materials in advance. Breakfast and lunch will be provided. Registration is free and open to all, but space is limited. Sign up at www.frostburg.edu/admin/cte/climate-change/register.

11:00 AM–5:30 PM, April 30 & May 6 – Bike Outing

Meet at
Braddock House

Bike the C&O Canal – free event

Bike the historic C&O Canal in Cumberland! Bikes, transportation, and snacks provided. Sponsored by students from Adventure Sports Management and the Office of Leadership and Experiential Learning. Funding provided by the Student Sustainability Fee. Contact Tom Sheaffer for details email tsheaffer0@frostburg.edu or call 301.687.7013.



— SUSTAINABILITY LEARNING SYMPOSIUM —

SCHEDULE OF EVENTS

MONDAY, APRIL 17, 2017

— Free and open to the public —

SPONSORED BY



President's Advisory Council for Sustainability



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STATE UNIVERSITY

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Campus	<p>Prayer Flags for the Endangered</p> <p>Based on the Himalayan/Tibetan cultural practice of stringing prayer flags to bestow blessing, students in Graphic Design 207 are designing prayer flags based on EPA's endangered species to hang during Earth Week, in collaboration with FSU's Focus Frostburg event.</p>
LUC	<p>Upcycled Sculpture Display</p> <p>Students enrolled in Sculpture 240 and Advanced Sculpture 440 classes will display examples of sustainability upcycled sculptures from 10 AM to 5 PM in the Lane University Center.</p>
Upstairs LUC	<p>An Analysis of Recycling Habits on Frostburg State University's Campus</p> <p>It is known that of the currently employed waste management strategies, recycling is the most environmentally friendly and energy-efficient. The best recycling systems require large quantities of high-quality recyclable material. The state of FSU's recycling system, which depends heavily on community members for well-sorted materials, was not know. This observation-based research qualitatively assessed community recycling habits that affected the quality of the University's recycling system. Specifically, this study looked at how many of the bins on campus can actually be recycled, and how full they are after a week of collecting materials. It was found that nearly half of the recycling bins needed to be sorted or thrown out, and three quarters of them did not fill up to more than half of capacity. FSU's recycling system does not produce high-quality material or large quantities. Now that this is know, future studies can examine strategies to improve the system.</p> <p>Presenters: Kristin Ratliff*, Peter Jackowski*, Devin Lafferty*, Brady Moon** *available 10-10:30 AM, **available 11-11:30 AM</p>
Facebook Online Voting	<p>Reduce, Reuse, Recycle Poster Contest – Saturday, April 22</p> <p>The “Reduce, Reuse, Recycle” Poster Contest, will be held Saturday, April 22 (Earth Day). People can vote on Facebook by visiting FSU's LGLG Facebook page (www.facebook.com/frostburglglg). Winners will be included in FSU's LGLG promotional campaigns.</p>

2017 FOCUS FROSTBURG PRESENTATIONS IN THE LANE UNIVERSITY CENTER

10–10:50 AM	
LUC 111	<p>Understanding Standing Rock and Indigenous People's Fight for Environmental Justice</p> <p>Dr. Kara Rogers Thomas, Sociology/Cultural Anthropology</p> <p>The world took notice last year as thousands of indigenous people and their supporters converged on the Standing Rock Sioux Reservation to support indigenous opposition to the proposed Dakota Access Pipeline. This presentation contextualizes and analyzes the movement using the framework of environmental justice.</p>
LUC	<p>Visit Frostburg Grows</p> <p>Frostburg Grows Shuttle, Departs from front of LUC, Clock Tower Side</p> <p>Frostburg Grows is a highly innovative sustainable agriculture training center. In 2014, it was the recipient of the Maryland Sustainable Growth Award and a national finalist for a Climate Leadership Award! The five-acre site was formerly deep-mined and strip-mined for coal, was once used as a county dump and was most recently used to store FEMA trailers. Today, the Frostburg Grows site has been repurposed and rejuvenated as a community-based sustainability complex and training center.</p>

11–11:50 AM	
LUC 232 Atkinson Room	<p>Moving Toward Gold: Taking FSU Sustainability to the Next Level</p> <p>Tracy Edwards, Geography</p> <p>FSU has earned a Silver STARS rating from the Association for the Advancement of Sustainability in Higher Education. In this session, SUST 155 students will lead guests through a tour of the STARS rating system.</p>
LUC 111	<p>Incidence of Lyme Disease-Causing Bacteria, <i>Borrelia burgdorferi</i>, in Ticks and Rodents in Rocky Gap State Park</p> <p>Sarah Kuchinsky and Hannah Elliott</p> <p>Lyme disease is the most prevalent vector-borne disease in the United States. Many rodents are reservoir species that carry <i>Borrelia burgdorferi</i>, a bacterium through which immature ticks (<i>Ixodes sp.</i>) readily transmit it. Incidence has expanded from its New England origin into the Midwest and Mid-Atlantic. Climate change and declining biodiversity have been driving forces in the habitat range expansion. By measuring the incidence of <i>B. burgdorferi</i> in ticks and rodents in a popular recreational destination, information can be obtained on how this host-vector relationship may be affected by certain environmental conditions.</p>
NOON–12:50 PM	
LUC 232 Atkinson Room	<p>Sustainability and Frostburg Dining</p> <p>David Glenn, Dining Services</p> <p>This lunchtime presentation provides an overview of the standard practices and local initiatives Frostburg Dining contributes to the sustainability portfolio of FSU and introduces students to the Food Recovery Network initiative underway at college campuses across the U.S.</p>
LUC 113	<p>Religion and Environmental Activism</p> <p>Dr. Kara Rogers Thomas, Sociology</p> <p>This presentation features <i>Renewal</i>, the first feature-length documentary film to capture the vitality and diversity of today's religious-environmental activists. From within their Christian, Jewish, Buddhist and Muslim traditions, Americans are becoming caretakers of Earth. Their stories of combating global warming and the devastation of mountaintop removal; of promoting food security, environmental justice, recycling and land preservation; and of teaching love and respect for life on Earth are the heart of <i>Renewal</i>.</p>
Clock Tower	<p>Arbor Day 2017!</p> <p>Arbor Day 2017: Join FSU as it celebrates five years of being awarded Tree Campus USA. Meet at the Clock Tower at noon on April 17 for the declaration of Arbor Day and a campus tree planting. Trees were provided through a grant from the Student Sustainability Fund.</p>
1–1:50 PM	
LUC 232 Atkinson Room	<p>Water School Uganda and the President's Leadership Circle: 2017</p> <p>Hear the stories of the incredible service-learning experience in a fish-landing site along the Nile River in rural Uganda. Meet the people of Pagwaya and explore the beauty of this incredible country through Leadership Circle photographs!</p>
LUC 113	<p>Creating Sustainable Communities</p> <p>Dr. Henry Bullamore, Geography</p> <p>In a highly urbanized nation, the sustainability movement must address urban lifestyles and infrastructure. Sustainable communities have urban development that is compact, walkable, interesting and supportive of diverse populations. In a surprising number of American communities, important steps toward more sustainable and resilient living have been made.</p>

1–1:50 PM (continued)	
LUC 111	<p><i>From Forests to the Classroom, Economic Botany Presents:</i></p> <p>Increasing the Sustainability of a Threatened Tree Species, Butternut (<i>Julgans cinerea, L.</i>), for Use in Traditional Dyes for Cherokee Basketry</p> <p>Olivia Goldstein, Andy Wall and Madison Lawrence</p> <p>The butternut population is facing severe declines due to a canker-causing fungal infection. This project focuses on maintaining a sustainable supply of butternut trees (<i>J. cinerea L.</i>) for the Cherokee to be used as a natural dye source in traditional basket construction.</p>
Arboretum Memorial Garden Restoration Amanda Beeman and Sarah Kissel Four memorial gardens have been restored in the campus arboretum, creating propagation beds. Thanks to a grant made available from the Student Sustainability Fee, there is now a local source of native landscaping material for campus projects.	
The Potential Dangers of Black Cohosh Dietary Supplement Use and How to Address Safety Concerns With Botanical Education Amanda Beeman and Sarah Kissel Black cohosh, or Actaea racemosa L., is a herbaceous, perennial herb native to North America. A resurgence of black cohosh in dietary supplement markets today has resulted in regained popularity among women trying to combat the symptoms of menopause. This may lead to health concerns due to a lack of vigorous medical testing, non-stringent regulation of bottle labels and contamination with other species occurring during wild harvest. Educational outreach for herb harvesters may help address some of the issues surrounding black cohosh dietary supplement use.	
2–2:50 PM	
LUC 111	<p>Focus on Social Sustainability: How FSU Is Leading Dialogue and Deliberation in Our Region</p> <p>Dr. Elesha Ruminski</p> <p>Join this session of LEAD 401 Citizen Leader, a core class of the Leadership Studies minor, to discuss how social sustainability and citizen leadership are supported by the dialogue and deliberation sessions of the Department of Communication's Communication Leadership Lab. Discussion will focus on the role of communication leadership in leading regional change and recent deliberations concerning the sustainability of the regional food system. Copies of the National Issues Forum deliberation guide titled “Land of Plenty: How Can We Develop a Food System That Works for All of Us?” that FSU campus and community members contributed to creating will be available.</p>
LUC 232 Atkinson Room	<p>Climate Change: Separating Fact From Fiction</p> <p>Dr. Tianna Bogart, Geography</p> <p>What is climate change? Join the group to discuss the major controls that have influenced climate shifts throughout the planet's history, the benefits and limitations of climate modeling, and direct and proxy climate data, as well as take a look at the current findings on climate change and how they may influence the region.</p>
LUC	<p>Visit Frostburg Grows</p> <p>Frostburg Grows Shuttle, Departs from front of LUC, Clock Tower Side</p> <p>Frostburg Grows is a highly innovative sustainable agriculture training center. In 2014, it was the recipient of the Maryland Sustainable Growth Award and a national finalist for a Climate Leadership Award! The five-acre site was formerly deep-mined and strip-mined for coal, was once used as a county dump and was most recently used to store FEMA trailers. Today, the Frostburg Grows site has been repurposed and rejuvenated as a community-based sustainability complex and training center.</p>

