

# Student Sustainability Council Meeting

Tuesday October 13, 2015

Attendance: Jerrod Penn, Hannah Penn, Ricky Grewelle, Karina Fuentes, Michaela Rogers, Caroline Engle, Johnathan Elliot, Ellen Green, Danielle Empson, Sadie Meyer, William Varney, Lauren Thomas

Absent: Aaron Stromberg, Sam Stromberg, Alex Miller (excused), Tina (excused)

Guest(s): Riese-Kinney

17:04 – Introductions made and meeting commences

17:05 – Introduction of new directors

17:07 – Motion to end discussion on revisions to proposals and to vote on those revisions (Sadie, 2<sup>nd</sup>Hannah)

**Vote: Yes – 12 No – 0 (Approved)**

17:08 – Reading of the preamble and going over of the constitution

17:09 – First presentation begins (Penn Proposal) (Hannah Penn presenting)

17:14 Presentation ends

17:14 - Q&A Begins

17:20 – Q&A ends

17:21 - Second presentation begins (Riese-Kinney Proposal) (Riese-Kinney Presenting)

17:30 – Second Presentation ends

17:30 – Q&A Begins

17:36 - Q&A Ends

17:37 – Overview of online voting history

17:40 - Discussion on Penn Proposal Begins

17:47 – Discussion ends

17:47- Motion to vote on Penn Proposal (Caroline, 2<sup>nd</sup> Ellen)

**Vote: Yes - 10 No - 0 (Two Abstains from Hannah Penn, Jarrod Penn) (Approved)**

17:49 – Discussion on Riese-Kinney Proposal Begins

17:59 – Motion to extend discussion (Ricky, 2<sup>nd</sup>Johnathan)

18:02 Motion to extend discussion (Ricky, 2<sup>nd</sup> Sophie)

18:04 Discussion on amendment Begins

Amendment 1 for Rieske-Kinney proposal

1: Approval contingent upon recipient making contact with departments, professors, clubs, and associations (list provided by the SSC) in regards to the upcoming talks

2: The SSC logo must be present on any advertisement related to the talks, and a council member will give a thirty second presentation about the SSC at the talks.

3: The two TBA presentations must be on campus.

4: Detail a plan for transportation to get to the location

**Vote on item 1: Yes – 12 No – 0 (Approved)**

**Vote on item 2: Yes – 12 No – 0 (Approved)**

**Vote on item 3: Yes – 11 No – 1 (Approved)**

**Vote on item 4: Yes – 12 No – 0 (Approved)**

18:07 – Vote on Rieske-Kinney proposal as amended

**Vote: Yes -12 No - 0 (Approved)**

18:08 – Recap on renew merchandise meeting begins

18:15 – Motion to vote on renew merchandise support from the SSC (Jarrod, 2<sup>nd</sup> Ellen)

**Vote: Yes – 11 No – 1 (Approved)**

18:16 – Discussion on directorships and responsibilities thereof

Ideas:

- Reserving of rooms and meeting places should be covered by the director of operations
- Begin to move responsibilities of the SSC from Shane Tedder over to the SSC, in an attempt to become completely autonomous.

18:27 – Discussion ends

18:27 – Discussion/updates on the Outreach Committee begins

18:31 - Discussion ends

18:33 – General discussion/updates about the SSC in regards to future plans/ideas Begins

18:41 – General discussion ends

18:41 – Discussion/updates from the development Committee begins

18:52 - Discussion ended

18:52 – meeting adjourned

## University of Kentucky Student Sustainability Council 2015-2016 Grant Application

1. Name: Hannah Penn
2. Email: hannahjpenn@gmail.com
3. UK Affiliation: Entomology Graduate Student
4. Proposed Project Title: Science and Business of Insects
5. If applicable, please provide the sponsoring or overseeing organization. (e.g. the Office of Sustainability, Wildcat Wheels, the Dept. of Ag. Economics, etc.): Entomology/Ag Economics
6. Total Amount Requested from the Council: \$1,658
7. Would you like to make a presentation to the Council before your proposal is reviewed? Yes

8. What is the focus area(s) of your project?

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li><input type="radio"/> Recycling</li> <li><input type="radio"/> Transportation</li> <li><input checked="" type="radio"/> <b>Agriculture/ gardening</b></li> <li><input type="radio"/> Water</li> <li><input type="radio"/> Renewable Energy</li> </ul> | <ul style="list-style-type: none"> <li><input type="radio"/> Energy Conservation</li> <li><input type="radio"/> Climate Change</li> <li><input type="radio"/> Local Environment</li> <li><input type="radio"/> Behavioral Change</li> <li><input checked="" type="radio"/> <b>Other (Please Describe): Conservation</b></li> </ul> |
|--|--|

9. Please name any other project leaders:

<b>Name</b>	Jerrod Penn
<b>Title &amp; department</b>	Graduate Student- Ag Economics
<b>Project Role</b>	Co-Instructor
<b>Email</b>	Jerrod.penn@uky.edu
<b>Name</b>	
<b>Title &amp; department</b>	
<b>Project Role</b>	
<b>Email</b>	

10. Please describe the project, its goals, and how it contributes to UK student knowledge, attitudes & culture, or practices of the 3 pillars of sustainability (i.e. economic, environmental and social).

This project is to partially fund the 2 credit class, "Science and Business of Insects" (AEC/GEN 300 Sect. 007), the primary goal of which is to inform students on current matters involving the intersection of insects with human behavior and economics. An integral piece of this goal is to foster critical thinking about the environmental and economic ramifications of insect-related issues such as pollinator conservation, long-term effects of insecticide use and other intensive management practices, and general biodiversity conservation. In so doing, we will educate students (up to 22) on how humans impact the natural world in ways that have economic effects through intentional and accidental manipulation of insect presence and biodiversity. This contribution is unique by explicitly using multiple frameworks to understand sustainability-related issues, whereas most courses are dedicated to only one paradigm. Additionally, this class contributes to UK's offering of sustainability-related courses since it covers sustainability-related topics similar to several other courses (i.e. Biological Control and Environmental Economics) in the UK "Sustainability in the Curriculum" list. (<https://stars.aashe.org/media/secure/266/2/17/386/Sustainability%20in%20the%20Curriculum%202011-2012.xlsx>).

11. Name any anticipated project affiliates and describe their support, including any financial, matching or in-kind support.

The department of Agricultural Economics is partially funding the teaching of this course (salary for Jerrod Penn) and is housing the primary course listing. The department of Entomology, while unable to cross-list due to prior course type restrictions, has offered to give "ENT" credit to course participants for their undergraduate major/minor in entomology.

12. Who is the primary target population of your project?

- UK (general)
- Undergraduates**
- Graduates
- Community
- Faculty
- Other (Please Describe): \_\_\_\_\_

**In 250 words or less, please answer the following questions.**

13. Describe the intended University of Kentucky audiences and potential number of people impacted including any potential diverse segments such as student or community organizations and supporting evidence (e.g. expected or historical event/speaker attendance).

This course would directly impact up to 22 undergraduates who enroll for either AEC or GEN credit (with ENT credit given upon request) over an entire semester.

14. Are there any students involved in the proposed project? If so, do they benefit from professional or technical skills, outputs, or experiences such as presentations, posters, or reports?

The undergraduates taking the course will be required to give a presentation and develop a final report (as final exam) about the economics of insect-related issues such as insecticide use, biological control, and pollinator health. The instructors of this course (graduate students) will also gain further experience educating undergraduates in a hands-on format, creating a new class, and developing its associated materials

15. Please describe any previous history and to what extent you, other project leaders, or the sponsoring organization may have with the UK Student Sustainability Council.

Hannah Penn has been on the SSC as an at-large member for just over one year while Jerrod Penn has been an at-large or PSAC member for over four years. Jerrod Penn has had several prior research projects funded by the SSC.

16. Please outline a timeline and milestones to ensure project efficacy prior to and after project implementation.

AEC/GEN-300 Sec. 007 has already been approved and officially listed. The course will begin January 2016 and end in May 2016.

17. Does the success of your project require prior approval of other UK or non-UK entities (e.g. IRB or venue approval, etc.)?

The course requires department and college level approval and course listing, both of which have been granted.

18. If applicable, what is the potential for long term self-sustainment or long term effects?

Students enrolled in this course will be able to identify how environmental issues, especially those pertaining to entomology, influence or are influenced by human decision making and how these issues impact long-term economic-environmental consequences. As with developing any new course, most effort is spent in the initial creation and refinement of the course's framework and material. Once developed, it is relatively less difficult to teach again with the same or different instructors.

This class would also allow the SSC to initiate interest in the education-portion of the Sustainability Tracking, Assessment & Rating System (STARS) promoted by AASHE. The first criteria for the report includes "academic courses" or "courses with sustainability contents." In UK's previous submission for the category 'Incentives for Developing Sustainability Courses', a weeklong workshop to integrate sustainability into existing or new syllabi was offered to up to 10 faculty, an initiative that was funded by the Student

Sustainability Council (2011-12, Curriculum Development Workshop, \$11,050). As far as we know, no such formal effort to incorporate graduate students has occurred.

19. Using the following format, please provide a line item budget for the total amount request and what percent of the project is being sponsored by SSC funding. Provide information sources or reasoning for the budget estimates.

<b>Expense</b>	<b>Description</b>	<b>\$ amount</b>
Field-Trip	2 vans to visit/ exam honey bee hives and other pollinators	108
Stipend	Teaching stipend for Hannah Penn (rate/ credit hour)	1,500
Edible Insects	Example edible insects to promote sustainable protein sources	50
<b>Total</b>		<b>1,658</b>

20. You may include additional attachments to supplement the application such as promotional material, resumes, letters of collaborative funding, etc.

Course syllabus and letter of support from entomology are attached as supplemental material.

Submit completed project proposals and/or questions about proposal process to Shane Tedder at [shane.tedder@uky.edu](mailto:shane.tedder@uky.edu).

Project proposals will be considered on a rolling basis and must be received 1 week prior a scheduled meeting in order to be considered for the agenda. If SSC and applicant are able to confirm that project, if funded, would be in compliance with University Business Procedures. The Fall 2015 meeting schedule is listed below:

<b>Meeting date</b>	<b>Proposal due date</b>
October 13, 2015 -	Proposals due by October 6, 2015
October 27, 2015 -	Proposals due by October 20, 2015
November 10, 2015 -	Proposals due by November 3, 2015
November 24, 2015 -	Proposals due by November 17, 2015
December 8, 2015 -	Proposals due by December 1, 2015



**College of Agriculture**

*Entomology*

*S-225 Agricultural Science*

*Building – North*

*Lexington, KY 40546-0091*

*(859) 257-7450*

*Fax: (859) 323-1120 [www.uky.edu](http://www.uky.edu)*

October 5, 2015

Dear Members of the Student Sustainability Council:

It is a pleasure for me to support this application of funding for field trip as part of a joint course being developed by graduate students in Entomology and Agricultural Economics. This two-credit hour course entitled “Science and Business of Insects” is being developed by Hannah Penn (Entomology) and Jerrod Penn (Agricultural Economics). It will be offered as GEN 300 for entomology students and AEC 300 Section 007 for Agricultural Economic students. It is important for our students to have the option of this kind of diverse offering that cuts across and integrates these two disciplines. Part of their proposal is to include a field trip to observe insect pollinators, including bees. This field trip is a valuable way to expand from classroom principles to real world observations. I hope that the Student Sustainability Council will support this request for funding.

Sincerely,

A handwritten signature in cursive script that reads 'Kenneth F. Haynes'.

Kenneth F. Haynes

B. C. Pass Professor of Entomology

Director of Undergraduate Studies, Entomology



# **The Science and Business of Insects**

## **AEC/GEN 300-007 (2 credits) Spring 2016**

Course Instructors:

### **Hannah Penn**

S-207C Ag. Science North, Dept. of Entomology  
Economics

Phone: 859-257-7272 ext. 271

Email: [hmc224@uky.edu](mailto:hmc224@uky.edu)

### **Jerrod Penn**

312 CE Barnhart Bldg., Dept. of Agricultural

Phone: 859-257-7272 ext. 271

Website: [sites.google.com/site/jerrodmpenn/](http://sites.google.com/site/jerrodmpenn/)

Email: [jerrod.penn@uky.edu](mailto:jerrod.penn@uky.edu)

**Meeting time and location:** Mondays and Wednesdays (Time and room TBA)

**Prerequisites:** None **Required Text:** None

### **Course Objective**

- This is a multidisciplinary course designed to couple the science and economics of insects. Both components are essential to understanding the large impact insects have had on humans. This course develops student understanding of both current and historical entomological issues within economic and social contexts.

### **Learning Outcomes**

- Develop a broad knowledge of current and historical issues related to entomology.
- Identify scientific concepts that are keystones to an insect's impact.
- Synthesize the insect's impact on humans such as through agriculture, human health, and business.
- Individually identify and evaluate an insect's ecological and economic importance in a well-organized and articulated presentation.
- More developed in communication and presentation skills.

### **Office Hours**

- Hannah: Mondays from #-#pm or by appointment. You can email me or talk to me before/after class.
- Jerrod: Wednesdays from #-#pm, but I have an open door policy. I'm happy to give advice about classes, college, future prospects etc. Send an email if you want to ensure that I will be in at a particular time.

## Grading

- Class Presentation (300, 30%)
- Presentation Evaluation (100, 10%)
- Class Participation & Attendance (400, 40%)
- Final Exam (200, 20%)

Course Grade	Percentage	Points
A	90% or better	900 points or more
B	80 – 89%	800-899.9 points
C	70 – 79%	700-799.9 points
D	60 – 69%	600-699.9 points
E	Below 60%	Less than 600 points

**Disclaimer: Reserve the right to lower (but not raise) the grade threshold e.g. change a B from 80% to 78%.**

## Presentations (300 points, 30%)

- During a student presentation, each student must make a presentation on an economically-relevant insect as the within-class expert of the issue among your peers. You must understand both the scientific and economic aspects of the insect.
- Each presentation should be 11-13 minutes, and will be penalized for being too long or too short, but your knowledge on the science and economics of the insect should be much more extensive. You must decide what information is important to communicate to the audience given time constraints.
- Each presentation must include a basic biology (life history traits and ecology) and economic impact of the insect, with roughly equal time given to both components.

## Presentation Evaluation (100, 10%)

- After a student's presentation, they must individually review peer feedback (outlined below) and turn in a typed summary of the strengths of the presentation (*not* the content of the presentation), and opportunities for improvement. The summary should be no longer than 1 page using 1" margins, and 11-size double-spaced Calibri font.
- While the focus of this assignment is on the content, overall writing quality will also be critical. Grammatical errors, fragments, unclear train of thought, etc., will be penalized.

- A hard copy (i.e. no email submissions) of the evaluation is due by the start of class the week following the student's presentation. The maximum possible score falls by 15% for every 24 hours late.

### **Class Participation Rubric (400, 40%)**

- Each class, students are expected to attend class prepared and engaged in group discussion by reading, watching or listening to a number of specified sources *prior* to the beginning of class.
- The nature of this material means there could be controversy. Be respectful and courteous of others when providing your perspective and reacting to the perspective of others. Students are expected to address the issues under discussion, never the personalities of the other participants. Failure to do so will be a minimum of 50 points deducted from participation points.
- It is expected that each non-presenting student gives some input on the topic matter during each week's discussion.
- The instructor may use a variety of methods to check student preparation and participation including last date of access to Blackboard, impromptu questions, etc.
- Each week, after the conclusion of the presentation, non-presenting students will turn in feedback of that week's presentation to be given to the presenting students and reviewed by the instructor. A sample feedback form appears below:

<b>#5 Name:</b>	Jerrod Penn			
<b>Presenter:</b>	Jane Doe	<b>Topic:</b>	Water Scarcity	
<hr/>				
<b>#5 Please rate presenter efficacy on:</b>	<b>Very Well</b>		<b>Average</b>	<b>Not so well</b>
• Clear communication of presentation's purpose	1	2	3	4 5
• Broad topic & economic perspectives	1	2	3	4 5
• Clear train of thought and order:	1	2	3	4 5
• Neutral Sources of Information:	1	2	3	4 5
<b>Commendation: What did you like most about the presentation?</b>				
The purpose and progression of the presentation was clear and logical, which kept me interested the entire time.				
<b>Recommendation: Where do you think is the greatest opportunity for improvement in the presentation?</b>				
Your eye contact seemed followed only one or two people and a slide at the end with your sources of information would have been good.				

### **Final Exam**

On the final day of class, you will be given an insect and the prompt below:

#### **Prompt**

I am a government official who must prudently use public resources to protect and improve the lives of the local residents. I am not trained in economics or entomology. As a researcher, you

must convince me why this insect is important to the well-being of the community, and why it warrants the use of public funds.

To convince me, you must provide a well thought-out, but brief report, stating its economic or societal impact for the community, and giving a scientific description (biology, life-history traits, etc.) as it pertains to its economic/societal relevance. There may be many details you've considered extensively but left out of the report. As an official with many issues competing for my time, the key is to quickly engage and inform me on the insect and related issues. *Poor writing is not convincing.*

The report must be:

- Be 2-3 *double-spaced* pages, excluding reference list.
- Include some of the key concepts discussed in class.
- Turned in as a **physical version**, due no later than the end of the assigned exam period for this class, which is ### pm on May XX, 2016.
- Have 1" margins and use 11-size Calibri font.
- Have a title page that includes your name, course #/name, the insect name, and the date.
- Collaborating on answers beforehand *is* acceptable.

### **Extra Credit**

- Extra credit may be available at the instructor's discretion. Extra credit will be announced and be made available to the entire class; there are **no** individual opportunities.

### **Students with Disabilities**

- If you have a documented disability that requires academic accommodations, please see me as soon as possible. In order to receive accommodations in this course, you must provide a Letter of

Accommodation from the Disability Resource Center (Suite 407, 4<sup>th</sup> Floor of Multidisciplinary Science Building Room, 859-257-2754) for coordination of campus disability services available to students with disabilities. We can then collaborate on the best solution. Additional information is available at [www.uky.edu/StudentAffairs/DisabilityResourceCenter/](http://www.uky.edu/StudentAffairs/DisabilityResourceCenter/)

### **Electronic Devices**

- All electronic devices (Cell/Smart phones, tablets, laptops, etc.) should be silent (NOT on vibrate) during class to minimize distraction. *Visibility of electronic devices directly affects participation grades.*

## Cheating and Plagiarism

- Cheating of any form is prohibited. Students found guilty will face penalties outlined in Student Rights and Responsibilities §6.4.0. The minimum punishment in AEC 300-XXXX is a 0 for the exam or assignment.
- Copying word-for-word is clearly plagiarism, but not giving credit to someone else's thought or original work is still plagiarism. Do not take credit for others' efforts and contributions.

## Additional Information

- University-related policies for excused absences, cheating, plagiarism, withdrawal, incompletes, exams, and grading can be found at:
  - Student Rights and Responsibilities [www.uky.edu/StudentAffairs/Code/](http://www.uky.edu/StudentAffairs/Code/)
  - University of Kentucky Bulletin 2015-2016  
[www.uky.edu/Registrar/Bulletin.htm](http://www.uky.edu/Registrar/Bulletin.htm)

## Schedule

Note: this schedule will likely change based on the number students enrolled in the class.

<u>Week/Date</u>	<u>Topic Area</u>
1: Wed Jan 13	Course Introduction
Mon Jan 18	Martin Luther King Jr. Holiday
2: Wed Jan 20	What are insects? <b>Teams &amp; topic area due. Presentation weeks may be randomly assigned, but similar topic areas will likely go together.</b>
3: Mon Jan 25	Economics 101 <b>Presentation assignments distributed</b>
4: Wed Jan 27	Entomophagy Demonstration Presentation
5: Mon Feb 1	Cosmetics/Drugs Student Present #1
6: Wed Feb 3	Cosmetics/Drugs Student Present #2
7: Mon Feb 8	Agricultural Insects Student Present #3
8: Wed Feb 10	Agricultural Insects Student Present #4
9: Mon Feb 15	Urban/Suburban Insects Student Present #5
10: Wed Feb 17	Urban/Suburban Insects Student Present #6

11: Mon Feb 22	Bed Bugs Student Present #7
12: Wed Feb24	Bed Bugs Student Present #8
13: Mon Feb 29	Commercial Beehives Student Present #9
14: Wed Mar 2	Commercial Beehives Student Present #10
15: Mon Mar 7	North Farm Visit**
16: Wed Mar 9	North Farm Visit**
Mon Mar 14	Spring Break
Wed Mar 16	Spring Break
17: Mon Mar 21	Honey and Other Bee Products Student Present #11
18: Wed Mar 23	Honey and Other Bee Products Student Present #12
19: Mon Mar 28	Neonicotinoids/Monarchs Student Present #13
20: Wed Mar 30	Neonicotinoids/Monarchs Student Present #14
21: Mon Apr 4	Forests and public lands Student Present #15
22: Wed Apr 6	Forests and public lands Student Present #16
23: Mon Apr 11	Medicine/Humans Student Present #17
24: Wed Apr 13	Medicine/Humans Student Present #18
25: Mon Apr 18	Veterinary Entomology Student Present #19
26: Wed Apr 20	Veterinary Entomology Student Present #20
27: Mon Apr 25	History & War Student Present #21
28: Wed Apr 27	History & War Student Present #22
29: Exam	Recap Quiz & Review
Volunteering for Presentation #1 or #2 is possible and will have bonus points included accord	

## **URBAN FORESTRY SEMINAR SERIES UNIVERSITY OF KENTUCKY URBAN FOREST INITIATIVE (UFI) SEMINAR SERIES, 2015 – 2016**

**Funding request to the UK Student Sustainability Council**

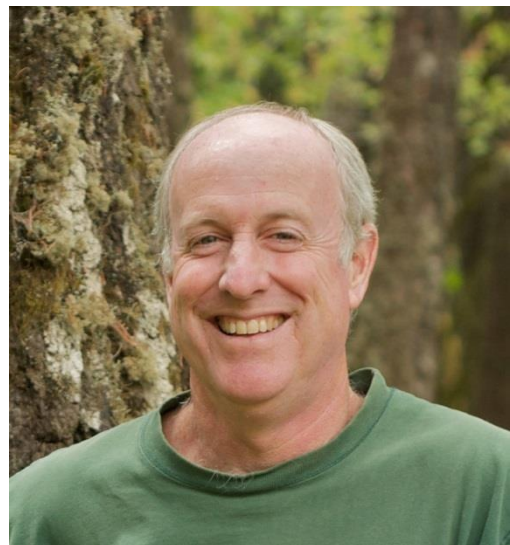
**Amount requested: \$3,725**

**Names:** Mary Arthur (Forestry), Lynne Rieske-Kinney (Entomology), co-Chairs, Urban Forest Initiative. [marthur@uky.edu](mailto:marthur@uky.edu); 859.257.2852, and [Lrieske@uky.edu](mailto:Lrieske@uky.edu); 859.257.1167

**Purpose:** Members of the *Urban Forest Initiative* are developing an **URBAN FORESTRY SEMINAR SERIES** for the 2015-2016 academic year. We are hosting four urban ecology specialists that will address ecological, economic and social benefits of urban trees. Specific topics and target audiences vary, but speakers will engage a significant audience of UK students and interested community members.

The *Urban Forest Initiative (UFI)* was established in Fall 2014 and brings together and provides an organizational framework for a dynamic and diverse group of stakeholders with the goal of heightening the stature and awareness of our urban forest canopy on the UK campus, in Lexington, and beyond. The purpose of this year's **URBAN FORESTRY SEMINAR SERIES** is to demonstrate the inter-connectedness of the urban tree canopy and the well-being of our communities. Our speakers run the gamut from managing urban landscapes to enhance ecosystem health to the societal benefits gained from healthy urban canopies. The seminar series is scheduled for September 2015 – March 2015 in venues readily accessible to students and the campus community, and will be sponsored by multiple entities across campus and the community. All lectures are free and open to the public.

The series kicked off with a public lecture by **Dr. Doug Tallamy**, Professor of Entomology at the University of Delaware and popular author, who spoke on "Creating Living Landscapes" [7:00 pm September 30, Fayette County Extension Office, 1140 Red Mile Pl., Lexington]. Tallamy's awardwinning '*Bringing Nature Home: How you can sustain wildlife with native plants*' (2009) reveals the pressing and critical needs for biodiverse home landscapes. Following it with '*The Living Landscape: Designing for beauty and biodiversity in the home garden*' (2015), which supports the message by showing gardeners precisely how to make it happen. Tallamy's popular works have increased public awareness of the imperiled state of our native insects, and have altered our approaches to utilizing urban landscapes to protect and enhance biodiversity. He set the stage for the seminar series by demonstrating that pro-active urban landscape management is important, attainable, and effective. Dr. Tallamy followed his popular lecture with an academic seminar 3:30 pm October 01, in the Cameron Williams Lecture Hall of the Plant Science Building (also free and open to the public).





The second speaker in the **URBAN FORESTRY SEMINAR SERIES** is **Dr. Kathleen Wolf**, a Social Scientist from the University of Washington College of Environment, whose work explores the human dimensions of open space, urban forestry and natural systems. Her research goals include "to discover, understand, and communicate human behavior and benefits, as people experience nature in cities." Dr. Wolf will present a public lecture providing an overview of the psycho-social benefits of peoples' experiences of urban nature, and how public perceptions and values can be integrated into planning and managing urban open spaces. Her lecture is scheduled for Wednesday, November 11, 2015, at 7:00 pm at McConnell Springs Nature Park (416 Rebmann Lane, Lexington).



Our third speaker is **Dr. Margaret Carreiro** from the Department of Biology at the University of Louisville. Dr. Carreiro's research is focused on understanding how urban environments (people and the built environment) interact with natural and semi-natural components of cities and suburbs. Her studies have included evaluating the effects of atmospheric nitrogen deposition, invasive species, habitat fragmentation, restoration management and socio-cultural legacies in affecting plant and soil communities and ecosystem processes. She is scheduled to give a talk in the **URBAN FORESTRY SEMINAR SERIES** in February 2016 (exact date and place TBA).



The series will wrap up for the academic year with a talk by **Dr. David Nowak**, Research Forester with Urban Forests, Human Health and Environmental Quality, State University of New York, College of Environmental Science & Forestry. Dr. Nowak's research includes investigating the composition of urban vegetation in cities and towns and what environmental or ecosystem services this vegetation provides to human populations. He has worked on development of several applications to aid in management and planning decisions to sustain urban forest health and services. Dr. Nowak will visit in March 2016 (exact date and place TBA).

The 2015-16 UK **URBAN FORESTRY SEMINAR SERIES** will involve the academic and lay communities, including university and college students, faculty and staff, government agencies, K-12 educators, and non-governmental organizations. Opportunities will be available for graduate and undergraduate students to interact with each invited speaker. Active student involvement will help develop the 201516 series to its fullest potential, and help secure its continuance into the future, ideally as an annual occurrence.



This year’s speakers are award-winning researchers and authors. Each speaker will engage with students on a semi-private basis, during small, intimate receptions, and at larger public gatherings. Kentucky’s Flagship University should be organizing and sponsoring premier environmental and sustainability speakers and holding events of international quality. With the help of the Student Sustainability Council, our campus community will be able to count on these events happening from year to year.

**Budget:** The total budget estimate is \$5,975. Monies have been requested from the USDA Forest Service, Kentucky Division of Forestry, the UK College of Agriculture, Food and the Environment Barnhart Award, and the Departments of Entomology and Forestry, to name a few. We are requesting \$3,725 to help cover costs.

<b>Speaker; date; topic</b>	<b>Cost estimate</b>	<b>Request</b>	<b>Comments</b>
Doug Tallamy; Sep 30 – Oct 1; Urban landscapes and biodiversity	Travel \$500 Accom \$250 Honoraria \$1500	\$0	No monies are requested (covered by UK CAFE, TFISE, vendors, donations)
Kathleen Wolf; Nov 11 – 13; Urban landscapes and human health	Travel <sup>1</sup> \$700 Accom <sup>2</sup> \$250 Honoraria <sup>3</sup> \$1500	\$2450	Travel from Seattle, 2 nights’ accommodation, honorarium
Margaret Carreiro; Feb (TBD); Urban landscape – human interactions	Travel <sup>4</sup> \$50 Accom <sup>5</sup> \$125 Honoraria <sup>3</sup> \$250	\$425	Local travel (Louisville)
David Nowak; March/April (TBD); Ecosystem services provided by urban landscapes	Travel <sup>1</sup> \$600 Accom <sup>2</sup> \$250 Honoraria <sup>3</sup> \$0	\$850	Travel from Syracuse, 2 nights’ accommodation
<b>Total</b>	<b>\$5,975</b>	<b>\$3,725</b>	

<sup>1</sup> Travelocity estimates for round-trip air fare. <sup>2</sup>

Two night’s accommodation at the Campbell House Inn + meals

<sup>3</sup> Honoraria varies with speaker <sup>4</sup> Vehicle rental + fuel <sup>5</sup>

One night accommodation + meals

## University of Kentucky Student Sustainability Council 2015-2016 Grant Application

1. Name: Lynne Rieske-Kinney, Professor, Forest Entomology, co-Chair, Urban Forest Initiative
2. Email: [Lrieske@uky.edu](mailto:Lrieske@uky.edu), and ph. 859.257.1167
3. UK Affiliation: Urban Forest Initiative
4. Proposed Project Title: ***URBAN FORESTRY SEMINAR SERIES***
5. If applicable, please provide the sponsoring or overseeing organization. (e.g. the Office of Sustainability, Wildcat Wheels, the Dept. of Ag. Economics, etc.): Departments of Entomology and Forestry
6. Total Amount Requested from the Council: **\$3,725**
7. Would you like to make a presentation to the Council before your proposal is reviewed? Yes
8. What is the focus area(s) of your project? Local Environment
9. Please name any other project leaders:

<b>Name</b>	Mary Arthur
<b>Title &amp; department</b>	Professor, Forest Ecology
<b>Project Role</b>	Co-Chair, Urban Forest Initiative
<b>Email</b>	marthur@uky.edu

10. Please describe the project, its goals, and how it contributes to UK student knowledge, attitudes & culture, or practices of the 3 pillars of sustainability (i.e. economic, environmental and social).

Members of the *Urban Forest Initiative* are developing an ***URBAN FORESTRY SEMINAR SERIES*** for the 2015-2016 academic year. We are hosting four urban ecology specialists that will address ecological, economic and social benefits of urban trees. The purpose of the ***URBAN FORESTRY SEMINAR SERIES*** is to demonstrate the inter-connectedness of the urban tree canopy and the well-being of our communities. Our speakers run the gamut from managing urban landscapes to enhance ecosystem health to the societal benefits gained from healthy urban canopies. The seminar series is scheduled for September 2015 – March 2015 in venues readily accessible to students and the campus community, and will be sponsored by multiple entities across campus and the community. Specific topics and target audiences vary, but speakers will engage a significant audience of UK students and interested community members. All lectures are free and open to the public.

11. Name any anticipated project affiliates and describe their support, including any financial, matching or in-kind support.

The total budget estimate is \$5,975. Monies have been requested from the USDA Forest Service, Kentucky Division of Forestry, the UK College of Agriculture, Food and the Environment Barnhart Award, and the Departments of Entomology and Forestry, to name a few. We are requesting \$3,725 to help cover costs.

12. Who is the primary target population of your project?

The UK campus community and the greater Lexington community.

**In 250 words or less, please answer the following questions.**

13. Describe the intended University of Kentucky audiences and potential number of people impacted including any potential diverse segments such as student or community organizations and supporting evidence (e.g. expected or historical event/speaker attendance).

The 2015-16 UK *URBAN FORESTRY SEMINAR SERIES* will involve the academic and lay communities, including university and college students, faculty and staff, government agencies, K-12 educators, and non-governmental organizations. Attendance at each lecture is expected to be 50-150 people. Opportunities will be available for graduate and undergraduate students to interact with each invited speaker. Active student involvement will help develop the 2015-16 series to its fullest potential, and help secure its continuance into the future, ideally as an annual occurrence.

14. Are there any students involved in the proposed project? If so, do they benefit from professional or technical skills, outputs, or experiences such as presentations, posters, or reports?

Selected speakers are award-winning researchers and authors. Each speaker will engage with students on a semi-private basis, during small, intimate receptions, and at larger public gatherings.

15. Please describe any previous history and to what extent you, other project leaders, or the sponsoring organization may have with the UK Student Sustainability Council.

In 2011 I requested and received funding from the SSC to support a lecture by Charles Mann, author of the best-selling '1491' and '1493.' That lecture was held in the Worsham Theatre in the now defunct Student Center, and served as the opening for a 1 ½ day conference on Invasive Species with ~300 in attendance.

16. Please outline a timeline and milestones to ensure project efficacy prior to and after project implementation. The seminar series is scheduled for September 2015 – March 2015 in venues readily accessible to students and the campus community. We anticipate no delays in scheduling or implementation. We will assure student involvement by advertising via the undergraduate and graduate student organizations associated with the Departments of Forestry, Horticulture and Entomology, as well as through the Student Sustainability Council. Initial advertising is already implemented via our web site (<https://ukntrees.ca.uky.edu/>)

17. Does the success of your project require prior approval of other UK or non-UK entities (e.g. IRB or venue approval, etc.)?      No

18. If applicable, what is the potential for long term self-sustainment or long term effects?  
 A by-product of the seminar series is increased engagement and long-term involvement in development of the tree canopy on the UK campus and in the greater Lexington area. We anticipate the seminar series will help attain this goal.

19. Using the following format, please provide a line item budget for the total amount request and what percent of the project is being sponsored by SSC funding. Provide information sources or reasoning for the budget estimates.

Expense	Description	\$ amount
\$2,250	Speaker 1: Doug Tallamy - Urban landscapes and biodiversity	-- 0 --
\$2,450	Speaker 2: Kathleen Wolf - Urban landscapes and human health	\$2,450
\$ 425	Speaker 3: Margaret Carreiro - Urban landscape – human interactions	\$ 425
\$ 850	Speaker 4: Dave Nowak - Ecosystem services provided by urban landscapes	\$ 850
\$5,975	TOTAL EXPENSES	
	<b>TOTAL REQUEST FROM SSC</b>	<b>\$3,725</b>

20. You may include additional attachments to supplement the application such as promotional material, resumes, letters of collaborative funding, etc.

See attached proposal for additional information;

Also visit <https://ukntrees.ca.uky.edu/urban-forest-initiative>

Submit completed project proposals and/or questions about proposal process to Shane Tedder at [shane.tedder@uky.edu](mailto:shane.tedder@uky.edu).

Project proposals will be considered on a rolling basis and must be received 1 week prior a scheduled meeting in order to be considered for the agenda. If SSC and applicant are able to confirm that project, if funded, would be in compliance with University Business Procedures. The Fall 2015 meeting schedule is listed below:

<u>Meeting date</u>	<u>Proposal due date</u>
October 13, 2015 -	Proposals due by October 6, 2015
October 27, 2015 -	Proposals due by October 20, 2015
November 10, 2015 -	Proposals due by November 3, 2015
November 24, 2015 -	Proposals due by November 17, 2015
December 8, 2015 -	Proposals due by December 1, 2015

