Penn's Green Campus Partnership is now accepting student applications to the Integrating Sustainability Across the Curriculum’s (ISAC) Student Research Internships. The Integrating Sustainability Across the Curriculum program is an 8-week summer program that teams students with faculty who are taking part in a Sustainability Across the Curriculum Faculty Workshop in order to revise or develop a new course that incorporates sustainability as a theme in the course. Each student will be teamed with two faculty members and will work with them to help to develop their courses in a meaningful way. This may involve, but is not limited to, researching material for the course, developing new assignments, and compiling course reading lists. Throughout the summer each student research intern will be expected to:

- Work closely with the faculty members to whom they are assigned on the development of their courses.
- Actively participate in three mini workshops with other student research interns.
- Present their course development in a poster session at the end of the summer.

The Integrating Sustainability Across the Curriculum program is a key component of the Green Campus Partnership’s ongoing efforts to encourage the entire University community to educate themselves on the critical issues of sustainability. This program is also aligned with the University’s Climate Action Plan 2.0.

The Undergraduate Research Internships within the Integrating Sustainability Across the Curriculum program are considered equivalent to a full-time job (35-40 hours a week). Interns will be paid $11 hour. The internship is eight weeks long beginning June 1, 2015.

Application Deadline: **Tuesday, March 17, 2015**

**HOW TO APPLY**

Send the following as PDFs to sustainability@upenn.edu with “ISAC 2015” in the subject line.

- Resume
- Transcript (need not be official)
• 1-2 page statement of interest in the internship position and your first and second choice of course sets (listed below) to work on this summer, including the reasons why you’d be a good choice to support these classes:

**ISAC Course Set #1**

- **Legal Studies 215/815: Environmental Management, Law and Policy** (Sarah Light, Wharton)
  - The law and public policy shape how business managers must think about their firms’ interactions with the environment. The primary goal of this course is to learn to think critically about:
    1. the relationship between business and the natural environment,
    2. the existing legal and policy framework of environmental protection and its effects on what business managers are charged to do, and
    3. the potential to effect change in that legal and policy environment.
  - The first part of the course introduces students to concepts of sustainability, and provides grounding in the foundational concepts of environmental law. The course addresses different topics in environmental law and policy and will examine a series of case studies in which law, policy and business intersect. The course also focuses on different approaches of incorporating sustainability into business practices, including through lifecycle analysis and environmental management systems.

- **HSPV 572 - Preservation Through Public Policy** (David Hollenberg, Historic Preservation, School of Design)
  - This course explores the intersection between historic preservation, design and public policy. That exploration is based on the recognition that a network of law and policy at the federal, state and local level has profound impact on the ability to manage cultural resources, and that the pieces of that network, while interconnected, are not necessarily mutually supportive. The course looks at a range of relevant and exemplary laws and policies existing at all levels of government, examining them through case studies and in-depth analyses of pertinent programs and agencies at the local, state and federal level. In recent years, the convergence of preservation and sustainability has begun to result in new public policy. The ISAC research assistant working on this course will help identify emerging federal, state, and local level policies which highlight this overlap with environmental sustainability.
ISAC Course Set #2

- Chemistry 101 (Ivan J. Dmochowski, Department of Chemistry, School of Arts & Sciences)
  - Through participating in the ISAC program, a research assistant will aid in developing a version of Chemistry 101 that incorporates important themes of sustainability and environmental chemistry. Using many examples from environmental chemistry, the course will address the issues of global sustainability and how chemical/biochemical problems/solutions dovetail with economic realities. There are many interesting implications of decisions made by large corporations that involve both chemistry and economics, and have general chemistry principles as their root source of problems and also potential solutions.

- CHEM 251 – Principles of Biochemistry (Jeffrey Saven, Department of Chemistry, School of Arts & Sciences)
  - An ISAC research assistant will help to incorporate sustainability concepts and examples into the course CHEM 251 – Principles of Biochemistry. Much of contemporary biochemistry has direct relevance to issues of societal relevance, such as human health, the fundamentals of life on earth as well as other planets, forensics, evolution, neuroscience and brain function and energy (e.g., fossil fuels are biologically derived and plants do a great job of harvesting light energy).

ISAC Course Set #1

- Dynamics 615 - Global Pennovation (Steven M. Finn, Organizational Dynamics)
  - Dynamics 615, Global Pennovation, is a graduate class that addresses one of the world’s major sustainability challenges each semester. As the name suggests, it couples global challenges (specifically sustainability challenges) with innovation. It is a project management class in Organizational Dynamics in which students fuse learning about a major sustainability topic with the organizational aspect of learning about how to effectively lead innovative change initiatives through diverse, global teams. Optimally, students emerge from the course with new perspectives on how to lead change initiatives for sustainability in their own organizations.

- Energy in American History (Ann Greene, History and Sociology of Science, School of Arts & Sciences)
  - This course will examine changes in energy sources, energy use, and energy technologies across American history in order to help students understand how the U.S. and the world arrived at its present situation with regard to energy, and to
understand the historical context for the complex technological, environmental, social, economic, and political challenges implicit in any effort to modify the current trajectories of energy use. With each form of energy, the course assesses the implications of energy use for work, material culture, domestic life, transportation and communications, social relations, economic growth, and political power.