



Celebrating 40 years!
Since its founding, PURC has grown from a small group hosting one meeting to an internationally recognized research center with expanded training and interdisciplinary development programs.

1972 **2012**
Celebrating **40** Years
PUBLIC UTILITY RESEARCH CENTER

About PURC

Energy Sustainability Class

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Instructor: Michelle Phillips
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About PURC

What

- Upper level undergrad economics of energy sustainability
- Fall 2014 and Spring 2015
- Online certificate



Approach

Key Topics

- *Energy Markets and Regulation*
- *Economic Analysis*
- *Environmental Policies*
- *Economics of Fuels*
- *Case Analysis*

Capstone

- *Four papers*
 - Florida Energy Future
- *Bob Graham Center for Public Service*
- *Panel paper presentation*



Bob Graham Center Captstone



- *Four students presented their research projects*
 - Ocean Currents as a Renewable Resource for Florida
 - Time to consider solar for Sunshine sports
 - Sustainability in Agriculture or the Lack of Sustainability in Agriculture
 - Florida Energy Problems, Options, and Possible Solutions.

EDUCATING ON ECONOMIC REALITIES OF SUSTAINABLE ENERGY

PI: Dr. Mark Jamison

What

FESC has provided funding to UF's Public Utility Research Center to create a class for upper level undergraduates on the economics of energy sustainability. The class is funded for two offerings and will be video recorded so that it can be made available for continuing education.

Purpose

Energy sustainability is a popular topic, but fact-based and analytically rigorous discussions of the economic realities are rare. Florida students and other Floridians need to understand these realities so that they can make sound business and career decisions and to be informed citizens.

Syllabus

Session	Topic
1	Course Introduction
2-4	Market Structures and Techniques: Competition, Monopoly, and Externalities
5	Cost Benefit Analysis
6-9	Energy Regulation: Subsidies, Taxes, Cap and Trade, and Energy Efficiency
10	Energy Regulation: Federal Responsibilities
11	Energy Regulation: State Responsibilities
12	The Economics of Fossil Fuels and Carbon
13	The Economics of Renewables
14	The Economics of Nuclear Power
15-16	Electricity Pricing
17-18	Midterm
19	Energy Data Sources: International, National, State-Level
20-21	Florida's Energy Sources: Historical and Current Data Analysis
22	Florida's Energy Sources: The Way Ahead
23-24	Florida Energy Policy
25	Case Study: Florida Power Rate Case
26-28	Other Infrastructure Issues

Plans

ENERGY SUSTAINABILITY, GEB 4930

Instructor: Dr. Michelle Phillips, Junior Economist, PURC

Offerings: The course will be offered live to UF students in Fall 2014 and Spring 2015

Capstone: Bob Graham Center for Public Service Moderated Session

Four papers will be selected for a moderated session at the Bob Graham Center for Public Service. This is a prestigious honor. The session will involve paper presentation and answering questions from a panel. Participation is strictly voluntary and declining to participate will not affect course grades.

Continuing Education: The course will be video recorded in Spring 2015 and be made available to Floridians for continuing education certificates.