Offered in Spring 2011!
Open to Students From All Departments!

Sustainable Energy

Two Sections for Undergrads and Grads: EEL 4935-003 / EEL 6935-003
by Dr. Rudy Schlaf, Electrical Engineering

This course will enable you to:

• Understand the scientific background of conventional and renewable energy, its storage and consumption.

• Quantify the impact of the various energy and storage technologies, as well as paths of energy use/consumption.

• Assess the feasibility of the most prominent sustainable energy conversion methods.

• Identify challenges to implement a world-wide sustainable energy economy.

• Participate in the current debate about sustainable energy.

More info:  http://rsl.eng.usf.edu/Pages/Teaching.html
Syllabus and a sample lecture are posted.

Course Materials: This course is based on scientific papers and internet resources, which will be made available through Blackboard to all enrolled students.

Nissan Leaf EPA sticker. It states “99 miles/gallon”. Pretty good-or not? This course will discuss how to properly compare between “electrical mileage” and conv. gas mileage.

Mountaintop removal coal mining: Fossil fuel use not only increases CO₂ in the atmosphere, but also causes extensive direct harm to the environment during the mining process.