New Energy Course!
Fall 2015

ECO 370: Building Sustainable Energy Communities Through Service Learning

Want to learn what you can do in your own community to achieve a more sustainable energy future?

Want to get experience actually doing something about energy & sustainability issues rather than just learning about them?

Then, join us this Fall and TAKE ACTION while LEARNING!

For more information, see the other side of this flyer; email Professor Sharon Klein at Sharon.klein@maine.edu; or go to: http://umaine.edu/soe/faculty-and-staff/klein/

ECO 370: Building Sustainable Energy Communities Through Service Learning

Professor Sharon Klein

COURSE LEARNING OBJECTIVE

Create and evaluate community-based solutions to the technical, economic, environmental, and social issues associated with current systems of energy supply, distribution, and use.

COURSE OVERVIEW

• Explore community energy as a possible solution to a complex set of technical, economic, environmental, and social issues associated with energy supply, distribution and use.
• Challenge existing paradigms that perpetuate these issues
• Examine the importance of civic engagement, community building, and service learning in creating lasting solutions
• Acquire hands-on learning about sustainable energy issues, options, policies, and tradeoffs by actively designing and participating in community projects
• Apply tested methods for civic engagement, community building, and service learning to help solve real-world energy issues
• Conduct quantitative and qualitative assessments of potential sustainable energy solutions across technical, economic, environmental, and social criteria
• Employ assessment tools such as life cycle assessment, social benefit cost analysis, and multi-criteria decision analysis.
• Evaluate policy options for encouraging community sustainable energy development

SERVICE LEARNING PROJECT

• Still being finalized
• Likely to be a window insert build for Orono, Old Town, and possibly Indian Island
• For more information on window insert builds, see: http://www.windowdressersusa.com/product.html
• Project will integrate course learning outcomes and original student research with service learning
• For more information on service learning, see: http://umaine.edu/volunteer/service-learning/

If you are a Renewable Energy Minor, check with your advisor to see if you can substitute this course for ECO 405, which will NOT be taught in 2015-2016.

This is a project-based course and may require field trips.