

Renewable Energy Online
Michael Golba, Ulrich Schachtschneider

Energy and Society

Modulbeschreibung



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NEXT ENERGY)**



GEFÖRDERT VOM



Bundesministerium
für Bildung
und Forschung

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Module: Energy and Society [REO XX]

This module is associated to the following degrees

Master > Renewable Energy Online> Compulsory Module

Abstract:

This module comprises two introductory units: One to sociology and the second one to energy economics. It will address student's with a natural science and engineering background to apply and critical assess economics and social science research

Sociology - Theory and Methods; students will learn the fundamentals of sociological theory and method. The course provides an overview of some major strands of contemporary influential sociological theories and the historic development of the discipline, including its relation to societal development. The founding fathers of the discipline namely Comte, Marx, Durkheim and Weber will be introduced, as well as proponents from the structural functionalism strands, like Parsons and Luhmann, contemporary Marxian and new approaches. These contrastive 'sociological views' and methods will be related to selective major development theories.

With the problem based learning approach students will learn to distinguish between different theories and methods through analysing, i.e. attributing policy measures to sociological and development theories.

Energy Economics – Mainstream and Heterodox Approaches; the course starts with an introduction to mainstream economics, with an energy focus. Markets, demand and supply will be addressed. This will be followed by analysing selected contemporary influential heterodox economics approaches: Post-Keynesian, environmental. and New Marxian. Analogous to the sociology unit, with a problem based learning approach students will analyse contemporary energy policy measures.

Duration:	1 semester	Teaching form:	Seminar. e-learning.
Cycle:	Winter semester	Language:	English
Type of module:	Elective	Attainable credit points:	6 ECTS
Level:	MM (Master Module)	Workload:	180 hours
Pre-requisites:	None	Max. No. of students:	30 students

Lecturer(s):
NN

Mentor(s):
NN

Designer(s):
Michael Golba, Ulrich Schachtschneider, Simone Malz

Examiner(s):
NN

Objective of the module / learning outcomes:

After successful completion of the module students should be able to:

- understand and critically distinguish between contemporary influential sociological and economic theories and methods
- understand and critically analyse the historic development of the disciplines, sociology and economics
- critically analyse and evaluate exemplary policy measures in terms of their relation to different sociological and economic approaches
- understand and critically assess the relation between energy and economics and the social whole
- critically assess the application of different sociological methods
- conduct basic research by using social science methods

<p>Content of the module:</p> <ul style="list-style-type: none"> - Introduction to selected contemporary strands of sociological theory and methods - Introduction to major strands of development theory - Introduction to mainstream energy economics and selected heterodox economic approaches - Analysis of exemplary policy measures 	
<p>Forms of learning:</p> <p>The communication during the online phase is predominantly via reading material (self-learning phase) and online forums. Online meetings for discussion of questions and difficult topics are going to take place. of the module. Reading material, videos and tasks are provided to support the content of the module.</p>	<p>Helpful previous knowledge:</p> <ul style="list-style-type: none"> - Basic knowledge on the use of word processing, spreadsheets and presentations software, such as Open Office or Microsoft Office. - Basic knowledge of social science and economics
<p>Web link:</p>	<p>Associated module(s)</p>
<p>Comments:</p>	
<p>Requirements for awarding the credit points</p>	
<p>Examination periods:</p> <p>Tasks corresponding to each chapter will be given to the students. The tasks are designed to be solved in two weeks' time. Deadlines to deliver the tasks will be at the end of each month.</p>	
<p>Useful literature:</p> <ul style="list-style-type: none"> • Cowen, M.P. / Shenton, R.W., Doctrines of Development, Routledge London and New York 1996 • Daly, Herman E. / Farley, Joshua, Ecological Economics. Principles and Applications, Island Press Washington 2004 • Hill, Rod / Myatt, Tony, The Economics Anti Textbook, Fernwood Publishing Black Point / Nova Scotia 2010 • Lavoie, Marc, Post-Keynesian Economics: New Foundations, Edgar Elgar Publishing Cheltenham 2014 • Preston, P. W., Development Theory – An Introduction, Blackwell Publishers Oxford 2002 (1996) • Ritzer, George, Sociological Theory, McGraw-Hill Boston 2000 • Todaro, Michael / Smith, Stephen C., Economic Development, Pearson Education Boston 2003 • Varian, Hal R., Intermediate Microeconomics: A Modern Approach, New York 2014 <p>Additional literature, in particular specific topic oriented ones will be provided when the module starts.</p>	
<p>Registration procedure:</p> <p>C3LLO</p>	

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