

Kaposvári University Faculty of Economic Science  
Department of Regional Science and Statistics  
Kaposvár, Guba Sándor st. 40.

## ***EDUCATIONAL THEMATICS***

### ***Environmental Economics***

**Academic year:** 2014-2015. I. semester

**Number of class:** 4+0 class hours

**Credit:** 5

**Form of education:** lecture

**Form of group:** whole study group

**Form of rating:** 2 pages

**Number of pages:**

**Name of the course leader:** DR. KEREKES SÁNDOR

**Name of the lecturer:** DR. KEREKES SÁNDOR

**Name of the seminar leader:** DR. KEREKES SÁNDOR

**Head of the department:**

DR. ZOLTÁN GÁL

Associate Professor

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Kaposvár, 2014-2015. academic year

### ***Detailed course description***

During the course we will discuss the major principles of sustainable development and we will search for means for applying these principles in practice. We will examine what enterprises can do for sustainable development.

The regulations of nature conservation started with direct instruction-control type legal solutions at the beginning of the 1970s. As a reaction to them so-called 'end-of-pipe' environmental solutions were formed.. At the beginning of the 80s so-called indirect or economic tools started to spread in environmental policy and in parallel, the technical solutions also changed and in the 90s cleaner production solutions emerged which were more environment-efficient. The new generation means institutional solutions, mostly voluntary solutions and technology serving these purposes.

WEEK	DATE (MONTH.DAY)	PROGRAM	
		TOPIC	LECTURER
1.		The biosphere and the economy The mutual embeddedness of economic, social and ecological systems, the Ehrlich's model, The Jevons paradox and the rebound effect	
2.		The concept of sustainable development, strict and weak sustainability, the Hicks-Page-Hartwick-Solow rule	
3.		Our planet's limits and resilience, Natural and social resilience Modelling possible interrelations of carrying capacity and economy, The principles of sustainable development	
5.		Sustainable consumption and the Easterlin paradox	
6.		The Environmental Kuznets curves	
7.		The economics of environmental pollution The theory of externalities, The economically optimal level of environmental externalities	
8.		The handling of externalities in economic theory. The size of the Pigovian tax, A cost effective share of abatement obligations among several polluters or abatement possibilities	
9.		The Coase theorem, environmental policy consequences of Pigou and Coase's theories, The case of joint application of direct and indirect tools	
10.		Environmental regulation, corporate adaptation, Environment regulation in case of non-stationary pollution	
11.		The new climate economy	
12.		Managing corporate environmental risks, The term of risk technical and cultural rationality of risk	
13.		Endogenous and exogenous Elements of Environmental Risk Reactive and Strategic Environmental Management	
14.		Corporate sustainability and CSR The principles of Shared economy	

### ***Requirements***

Students have to write a test.

### ***Grading***

5-10 pages essay and oral examination ***Readings:***

**Literature:**

- Sándor Kerekes: On sustainable development for economists kézirat, Kaposvár 2014.
- *The new climate economy* <http://newclimateeconomy.report/>

Kaposvár, 12th August 2014

Dr. Sándor Kerekes  
Signature of the course leader

Dr. Zoltán Gál  
Signature, head of the department