



## SUBJECT DATASHEET

<b>Semester:</b>	2011/12/1
<b>Subject:</b>	Environmental Management
<b>Code:</b>	VEMLKVM112M
<b>Responsible department:</b>	Department of Environmental Engineering
<b>Responsible department code:</b>	MKKV
<b>Responsible lecturer:</b>	Dr. Ákos Rédey

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### Educational objectives:

To transfer the knowledge of environmental management.

### Detailed content of the subject:

1. "Sustainability" like the part of economy, society and biosphere. 2. Sustainable development as an impossible solution. 3. Evaluation of environmental economy; natural recourse measurement; gross economical value; methods of environmental evaluation; evaluation of environmental damage; cost-benefit and cost-effectiveness analysis; environmental impact assessment; strategy of environmental analysis; environmental aspects in product and technology evaluation. 4. Environmental, welfare, sustainable indicators: What and how do we measure?; GPD-GNP limits; New types of macro economy ; Review of NEW, ISEW, GPI; ecological footprint, Human growth index; complex environmental indicator (ECO-21). 5. Environmental economy in the role of solution-searching: market failures, external economical effects; economically optimal measure of external effects. 6. Relation of environmental management and sustainability: environmental action chain; types of environmental policy; main types of the environmental regulations.

### Requirements:

written test, need to be at least grade 2

### Required and suggested references:

Kerekes S., Szlávik J.: A környezeti menedzsment közgazdasági eszközei. Környezetvédelmi Kiskönyvtár 2. 2003.  
Szlávik J.: Fenntartható környezet- és erőforrás-gazdálkodás. Környezetvédelmi Kiskönyvtár 14. 2005.