



COURSE DATASHEET

Semester:	2012/13/1
Course:	Environmental Management
Code:	VEMKKVM112M
Responsible department:	Department of Environmental Engineering
Department code:	MKKV
Responsible instructor:	Dr. Ákos Rédey

Course objectives:

To transfer the knowledge of environmental management.

Course content:

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?; GDP-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, evaluation and grading:

written test, need to be at least grade 2

Required and recommended readings:

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