



## SUBJECT DATASHEET

<b>Semester:</b>	2009/10/2
<b>Subject:</b>	Environmental Impact Assessment and Auditing
<b>Code:</b>	VEMKKVA222A
<b>Responsible department:</b>	Department of Environmental Engineering
<b>Responsible department code:</b>	MKKV
<b>Responsible lecturer:</b>	Dr. Ákos Rédey

---

### Educational objectives:

To give enough information for students in connection with environmental impact assessment and auditing that will make them able to take part in such auditing processes.

### Detailed content of the subject:

1. Main steps of the environmental impact assessment. Identification of the active components. 2. Mapping of the impact processes. 3. Prediction of the impact area. Prediction of it through each environmental element. 4. Description of the state of the environment. Environmental processes and prediction of changes in the state of the environment. 5. Methods for environmental impact assessment. 6. Check lists, matrices, quantitative methods. 7. Networks, overlay maps. 8. Decision methods for evaluation of alternatives. 9. Case studies: environmental impact assessment of landfills, motorways, incinerators, chemical industries, etc. 10. Main types of the environmental auditing. 11. Methodology of environmental auditing. 12. Case studies in connection with environmental auditing. 13. Importance of public communication in environmental auditing. 14. Participation of the community in environmental auditing. 15. Written test

### Requirements:

2 written tests, average need to be grade two at least. An essay need to be handed in and presented in the middle of the semester.

### Required and suggested references:

Cserey B.: Fejlesztések környezeti hatásvizsgálata, Budapest (1994) dr. Kósi K., dr. Kovács E., Dr. Kőmíves J., dr. Varga J.: Auditálás, menedzsment rendszerek, Közgazdasági és Jogi Könyvkiadó, Környezetvédelmi kiskönyvtár 5., Budapest (1997) Wood, C.: Environmental Impact Assessment, A Comparative Review, Longman Scientific Technical (1995) Glasson, J., Therivel, R., Chadwick, A.: Introduction to Environmental Impact Assessment, VCL Press (1994)