



## SUBJECT DATASHEET

<b>Semester:</b>	2009/10/1
<b>Subject:</b>	Limnology and Hidrobiology I Practice
<b>Code:</b>	VEMKLIK122L
<b>Responsible department:</b>	Department of Limnology
<b>Responsible department code:</b>	MKLI
<b>Responsible lecturer:</b>	Dr. Judit Padisák

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### Educational objectives:

Cognition of basic physical-, chemical parameters of water, their interaction with biological processes.

### Detailed content of the subject:

1. Formation of lakes, basic morphological characters 2. Water balance 3. The water as medium for life, density anomaly of water 4. Dissolved gases, inorganic and organic materials, oxygen 5. Temperature of lakes, mixing types 6. Vertical gradients (temperature, light, dissolved oxygen, chemical gradients) 7. epilimnion/metalimnion/hypolimnion, euphotic/aphotic zones 8. Trophity és saprobithy 9. Periodic and aperiodic movements in water and their effects 10. Formation of flowing waters basic morphological characters 11. Temperature and oxygen in rivers

### Requirements:

The script tests contain the whole material. There are many tests during the semester. The credit is given according to the script tests and the own works. Above 90 % (5) 80-89 (4) 70-79 (3) 60-69 (2) under 60 (1). Presence at the lessons and writing of script tests are compulsory.

### Required and suggested references:

Padisák Judit (2000): Általános limnológia. Kéziratok oktatási segédanyag. Schwoerbel, J. (1999): Einführung in die Limnologie. Gustav Fischer, Jena. Wetzel, R. G. (2001): Limnology. Academic Press, San Diego.