



## COURSE DATASHEET

<b>Semester:</b>	2013/14/2
<b>Course:</b>	Algology and diatomology
<b>Code:</b>	VEMKLIK253D
<b>Responsible department:</b>	Department of Limnology
<b>Department code:</b>	MKLI
<b>Responsible instructor:</b>	dr. Csilla Stenger-Kovács

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### Course objectives:

Basic knowledge about the most important planktonic and benthic algae groups.

### Course content:

1. Phylogeny of the life on the Earth and the endosymbiosis 2. Prokaryotes: Cyanobacteria group 3. Eukaryotic algae: Glaucophyta, Rhodophyta and Chlorarachniophyta groups 4. Eukaryotic algae: Heterocontophyta group 5. Eukaryotic algae: Heterocontophyta group 6. Eukaryotic algae: Heterocontophyta group 7. Test 8. Eukaryotic algae: Haptophyta and Cryptophyta group 9. Eukaryotic algae: Dinophyta and Euglenophyta group 10. Eukaryotic algae: Chlorarachniophyta and Chlorophyta group 11. Eukaryotic algae: Chlorophyta group 12. Sampling methods and laboratory analyses of the benthic and planktonic algae. 13. Algal culturing techniques 14. Molecular markers in the algae taxonomy. 15. Test

### Requirements, evaluation and grading:

The presence in the practice part of the lesson and during the test is compulsory. Result according to this schema: >90% (5) 80-89 (4) 70-79 (3) 60-69 (2) 60 (1).

### Required and recommended readings:

Kiss Keve Tihamér: Bevezetés az algológiába Ács Éva és Kiss Keve Tihamér (szerk): Algológiai praktikum