



COURSE DATASHEET

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| Semester: | 2012/13/1 |
| Course: | Lake Balaton |
| Code: | VEMKLISV22B |
| Responsible department: | Department of Limnology |
| Department code: | MKLI |
| Responsible instructor: | Dr. Judit Padisák |

Course objectives:

The goal of the course is to introduce the students the largest, shallow lake of Central Europe, Lake Balaton. The topics include the formation of the lake, its basic properties, its physical and chemical characteristics and diversity of its flora and fauna. We cover the determinants of water quality, the economic and tourism aspects.

Course content:

1. Formation of the lake, geology and social characteristics of its catchment.
2. Water balance of the lake, and the Sio channel.
3. Hydrology and chemical properties of the water.
4. The shore of the lake
5. The flora of Lake Balaton I.
6. The flora of Lake Balaton II.
7. Case study I.
8. The fauna of Lake Balaton I.
9. The fauna of Lake Balaton II.
10. Lake Balaton, as ecosystem
11. The quality of the water of Lake Balaton
12. Tourism and recreation at Lake Balaton
13. The geological virtue of the Balaton region (e.g. Hévíz)
14. Case study II.

Requirements, evaluation and grading:

Preparation and timely submission of a case study (18-20 pages), which will be evaluated by the teacher.

Required and recommended readings:

Virág Árpád, 1998. A Balaton múltja és jelene. Egri Nyomda Kft.
Virág Árpád, 2005. A Sió és a Balaton közös története (1055-2005). Közlekedési és Dokumentációs Kft. Budapest
Hidrológiai Közlönyök kapcsolódó kötetei