



COURSE DATASHEET

Semester:	2014/15/2
Course:	Soil Science Laboratory Practice
Code:	VEMKFTB232T
Responsible department:	Department of Earth and Environmental Sciences
Department code:	MKFT
Responsible instructor:	Dr. Rita Szakácsné Földényi

Course objectives:

Acquaint the students with the Hungarian soils and the methods of their characterization.

Course content:

? Physical characterization of the soils. ? Chemical characterization of the soils. ? Determination of the hydrolytic acidity. ? Determination of specific surface. ? Determination of mineral composition of the soil. ? Investigation of particle size distribution of the soil. ? Biological study of the soils. ? Excursion.

Requirements, evaluation and grading:

Participation in the laboratory practice, documentation of the work, one written successful paper at the end of the term. Grading is based on the work in the whole semester as well as on the result of the paper.

Required and recommended readings:

Stefanovits P.: Talajtan. Mezőgazda Kiadó, 1992. Filep Gy.: Talajkémia. Akadémiai Kiadó, Budapest, 1988. Bardgett, R.: The Biology of Soil. A community and ecosystem approach. Oxford University Press, 2005.