



COURSE DATASHEET

Semester:	2012/13/2
Course:	General geology
Code:	VEMKFTB243F
Responsible department:	Department of Earth and Environmental Sciences
Department code:	MKFT
Responsible instructor:	Ágnes Rostási

Course objectives:

Understanding the processes controlling properties and changes of lithosphere and external Earth's spheres.

Course content:

1. Geology as a natural science. 2. The Earth as a planet and system. 3. The composition of the lithosphere: the minerals and rocks. 4. The magmatic system: development and composition of the magma. 5. The magmatic system: the magmatic rocks and the volcanic activity. 6. The sedimentary system: weathering and erosion. 7. The sedimentary system: properties and types of sediments and sedimentary rocks. The diagenesis. 8. The sedimentary system: continental basins and (palaeo-)environments. 9. The sedimentary system: marine basins and (palaeo-)environments. 10. The metamorphic system. 11. Structure and deformation of rocks. 12. Geological time. 13. Major events of development of the Earth and the life. 14. Possible future of the Earth's system.

Requirements, evaluation and grading:

Seminars: participation is required. 2 tests will be written during the seminar, each of which must be performed at least at 50% level in order to pass.

Lectures: participation is mandatory. Grading is based on the written tests. Attendance of 2/3 of the lectures is mandatory.

Required and recommended readings:

Konrád Gyula (2005): Földtörténet és őslénytan. Egyetemi jegyzet, PTE, Pécs. Báldi T. (1991): A történelmi földtan alapjai. Tankönyvkiadó, Budapest. Hartai É. (2003): A változó Föld. Miskolci Egyetem Kiadó, Miskolc.