

Course: Basic Geology	Course type: Seminar+practical course	Credits: 4	Course ID: KTAK105
Course responsible: Zsuzsanna Plank	Programme type: full time	Hours/Semester: 45	Assessment: exam
Course objectives: Acquiring basic knowledge of Geology, Mineralogy, Petrology and Earth history. Getting familiar with the Geology of Hungary.			
Competencies to be improved: Knowledge: T1, T2, T6 Ability: K2, K3, K8 Attitude: A2 Autonomy and responsibility: F2			
Compulsory literature: Robert M. Hazen: The story of Earth, Viking Press, 2012. ISBN: 0670023558 Chris and Helen Pellant: Rocks and Minerals, DK Publishing 2002, ISBN: 0789491060 Recommended literature: Némédi Varga Zoltán: Általános és szerkezeti földtan. Tankönyvkiadó, Budapest, 1991.			
Course content: Earth's structure, its inner and outer belts. Formation of the Earth. Earth's endogenous and exogenous processes: magmatism, volcanism, earthquakes. Sedimentation. Structural movements, tectonics. Diagenesis, basics of mineralogy, classification of minerals. Orogenesis, orogenetic motions, plate tectonics, continental migration. Earth history. Basics of stratigraphy. Structural and Historical Geology of Hungary.			
Course requirements: Attendance at classes (both in door and field activities). Submit of at least one assignments to submit etc. Oral exam.			
Grading scale: >90 %: excellent, 80-89.9 %: good, 65-79.9 %:satisfactory, 50-64.9 %:pass			
Course Programme: WJLF ENVIRONMENTAL SCIENCE	Semester: 2019_2020_1	Lecturer: Zsuzsanna Plank	

Budapest, 2019. augusztus 07.

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