

## CM1 - Basics of Construction Technology 2015-16 / 1. semester

Week		Lecture	Subject of lecture	
1.	szept. 6.	Introduction. The construction process.	Phases and participants of the construction process (roles, responsibilities, connections, etc.).	Vid
2.	szept. 13.	The state and the environment of the construction site.	Soil-mechanics, geodesics. Reviewing natural- and geographic characteristics of the site, accessing roads, water- and power supply, etc.	Lep
3.	szept. 20.	Technical preparation and controlling of the construction. Contracting process.	Detail design: Documentation for tendering (tender set of drawings), documentation for construction (working drawings) Tendering - choosing from several possible contractors	Vid
4.	szept. 27.	Site planning of the construction.	Site organisation. General layout of the construction site, arranging temporary structures, e. g. roads, stores, etc. Location of main	Vid
5.	okt. 4.	SITE VISIT.		Lep
6.	okt. 11.	Conditions of the start up and the finishing of the construction work. Handover process. Quality controlling in the construction. Health and safety requirements.	Erecting the building according to the completed plans. Supervision of construction. Running-in (testing the systems of the building). Hand-over – take-over of the building (reviewing the constructions – quality and quantity - and the plans)	Vid
7.	okt. 18.	Construction equipment. Material supply.	Main equipment of construction (earthwork, foundation work, construction of loadbearing structures, etc.) Material supply on site - to the site.	Lep
8.	okt. 25.	Types of foundations	Types of foundations - construction technologies, conditions, requirements.	Lep
9.	nov. 1.	Basics of construction technology. The right order of the construction works.	Technologies in the construction process - aspects of selecting the technologies. Sequence of construction works (the follow-up of processes).	Vid
10.	nov. 8.	Time scheduling.	Types, realations. List of operations, survey for quantities, labour schedule, plant schedule, material schedule.	Lep
11.	nov. 15.	Site planning practice?		Lep
12.	nov. 22.	Construction management in practis.		Lep
13.	nov. 29.	Midsemester test		Lep
14.	dec. 6.	Studio week.		

