

**Course data sheet
and course requirements**

Construction Management III.

1.) Accountable personnel and department

Dr. Balázs Füredi - assistant professor , head of Department of the Engineering Studies
Oliver Rák – PhD. student - Department of the Engineering Studies

2.) Lecturer of the course

Dr. Balázs Füredi - assistant professor

3.) The course based on the following precognitions:

Construction Management II.

4.) Goals of the course

The goal of the subject is to present basic information of the Construction Management.

5.) Requirements

Final test – at the end of the semester – during the exam period

Presence on at least 70% of the lectures.

6.) Consultation

On the occasion of the lectures.

7.) Detailed syllabus of the classes

Week	Lecture	Subject of lecture
1.L	Introduction	The syllabus of the semester
2.P	The construction process.	Phases and participants of the construction process (roles, responsibilities, connections, etc.).
3.L-4.P	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.
5.L-6.P	Technical preparation and controlling of the construction. Contracting process./ Site planning of the construction.	Detail design: Documentation for tendering (tender set of drawings), documentation for construction (working drawings) Tendering - choosing from several possible contractors/ Site organisation. General layout of the construction site, arranging temporary structures, e. g. roads, stores, etc.
7.L-9.L	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)
10.	Autumn break	
11.L-12.P	Construction equipment. Material supply.	Main equipment of construction (earthwork, foundation work, construction of loadbearing structures, etc.) Material supply on site - to the site.
13.L	Types of foundations/ special foundations	Types of foundations - construction technologies, conditions, requirements.
14.P-15.P	Basics of construction technology. The right order of the construction works./ Time scheduling.	Technologies in the construction process - aspects of selecting the technologies. Sequence of construction works (the follow-up of processes)/ Types, relations. List of operations, survey for quantities, labour schedule, plant schedule, material schedule.

Pécs, 04. September 2019.

Dr. Balázs Füredi
assistant professor