

## Tárgytematika / Course Description

### Building Constuction Design Project

EKNM\_EETA010

**Tárgyfelelős neve /**

**Teacher's name:** Horváth Tamás

**Félév / Semester:** 2019/20/1

**Beszámolási forma /**

**Assesment:** Folyamatos számonkérés

**Tárgy heti óraszám /**

**Teaching hours(week):** 0/6/0

**Tárgy féléves óraszám /**

**Teaching hours(sem.):** 0/0/0

### OKTATÁS CÉLJA / AIM OF THE COURSE

The aim of the course is to emphasize the role of the detailed structural design in the building design process to complete the architectural concept. Students can gain experience in individual and group practice by developing complex designs and customized detail solutions for a large-scale, sophisticated architectural building.

### TANTÁRGY TARTALMA / DESCRIPTION

1.hét	Job description, plan selection, group formation
2.hét	Example of structural design: eg. straw bale construction, consultation
3.hét	Presentation and submission of part 1 task
4.hét	Example of structural design: eg. large glass walls and glass roofs, consultation
5.hét	Presentation and submission of a study, consultation
6.hét	Example of structural design: eg. covered roofs, study, consultation
7.hét	Presentation and submission of part 2 task
8.hét	Example of structural design: eg. internal thermal insulation, consultation
9.hét	Submission and replacement of part 2 task, consultation
10.hét	Exam: structural detail task
11.hét	Joint evaluation of the exam, consultation
12.hét	Example of structural design: eg. subsequent waterproofing, replacement of exam, consultation
13.hét	Presentation and submission of part 3 task
14.hét	Spare lesson

### SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESMENT'S METHOD

Practice: Half-year assignment with continuous consultation.

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## KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

Kötelező irodalom	Materials published on the course. Andrea Deplazes (ed.): Constructing Architecture – Materials, Processes, Structures – a Handbook. 2nd Ed. Birkhäuser, 2008.
Ajánlott irodalom	Eastman, Chuck; Tieholz, Paul; Sacks, Rafael; Liston, Kathleen (2008). BIM Handbook: a Guide to Building Information Modeling for owners, managers, designers, engineers, and contractors (1st ed.). Hoboken, New Jersey: John Wiley. ISBN 9780470185285.