Budapest University of Technology and Economics
Faculty of Architecture

Course for MSc and BSc Students

COURSE DATA SHEET
and course requirements
30th January 2012

CM4 - Controlling of construction technology

2.	Code of the Course	Semester	Requirements	Credit	Language	Course semester
	EPEKK801	*7. autumn*	*2+2+0 exam*	*4*	*English*	*10/7*

3. Accountable personnel and department:

Levenete Mályusz PhD– Dep. of Construction Management and Technology
Vidovszky István PhD – Dep. of Construction Management and Technology
Adrienn Lepel PhD– Dep. of Construction Management and Technology

4. Lecturer of the course:

Name:	Status:	Department:
Dr. Judit Gyulay	*associate professor*	*Dep. of Construction Management and Technology*
Adrienn Lepel PhD	*assistant professor*	*Dep. of Construction Management and Technology*
István Vidovszky PhD	*assistant professor*	*Dep. of Construction Management and Technology*

5. The course based on the following precognitions:

Advanced studies on building construction and construction technology.

6. Required forgoing studies:

EPESA501 Building Constructions 4
EPEKA501 Costruction Management 1. - Basics of construction.

7. Goals of the course:

The goal of the subject is to present information on the controlling process of the whole construction activity and the applied technologies involving the legal environment, the quality management, the quality survey, the work safety and the fire protection.

8. Detailed syllabus of the course:

WEEK	LECTURE	SUBJECT OF LECTURE	SUBJECT OF PRACTICE
1.	Introduction	Introduction.	Introduction.
2.	Regulations concerning to the construction.	Legal environment and regulations for different construction types, legal procedures, standards, standard systems.	Assignment of the exercise.
3.	Standards and specifications regarding to fastening technology.	Site visit, Hilti	Site visit, Hilti
4.	Building permission/building consent.	The procedure of building permission in case of a construction project.	Consultation.
5.	Standards and specifications for dry wall and suspended ceiling systems.	Site visit, Knauf.	Site visit, Knauf.
6.	Building quality, quality management, fire protection	Application of standards, international standards, ETA, CE, ISO, TQM. Fire safety rules.	Consultation.
7.	Standards and specifications for attic windows.	Site visit, Vellux.	Site visit, Vellux.
8.	Work safety.	Rules and regulations for work safety, site arrangement, controlling work safety,	Consultation.
9.	Dry construction systems.	Prefabricated house systems (wood and metal framed houses, loghouse, etc.), regulations, standards, etc.	Consultation.
10.	Constituent week.		
11.	Standards and specifications for prefabricated house systems.	Site visit.	Site visit, dry house
12.	Quality surveyor	Quality surveyor (tasks, activity, prescriptions, etc.)	Consultation
13.	Standards and specifications for flooring, plasters and screeds.	Site visit, Mapei	
14.	Studio week.		

9. Educational methods of the course:

Lecturers on different construction technology related to construction of the superstructures and finishing work.

10. Requirements

20% Midsemester test (60min)
60% Exam
20% Preparation of the practical exercise.
Presence on at least 70% of the practises.

11. Opportunities of complementation:

According to the Code of Studies and Exams of BME.

12. Consultation:

On the occasion of the lectures.

13. Literature:

The slides of the lectures on the website of the department.

Books:

Kubba S. A. A.: *Architectural forensics.* McGrow-Hill, New York, 2008, p.438

14. Required studies and exercises of the course:

practical exercise – 50%
preparation for the test – 10%
preparation for the exam – 40%

15. The syllabus of the course was elaborated by:

Name:	**Status:**	**Department:**
Adrienn Lepel PhD	*assistant professor*	*Dep. of Construction Management and Technology*
István Vidovszky PhD	*assistant professor*	*Dep. of Construction Management and Technology*