

**COURSE DATA SHEET
and course requirements
4th February 2011**

Building Project Management K

2.	Code of the Course	Semester	Requirements	Credit	Language	Course semester
	<i>EPEKK601</i>	<i>6. spring</i>	<i>2+2+0 exam</i>	<i>4</i>	<i>English</i>	<i>10/6</i>

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:
<i>Dr. Judit Gyulay</i>	<i>associate professor</i>	<i>Dep. of Construction Management and Technology</i>
<i>Adrienn Lepel PhD</i>	<i>assistant professor</i>	<i>Dep. of Construction Management and Technology</i>
<i>István Vidovszky PhD</i>	<i>assistant professor</i>	<i>Dep. of Construction Management and Technology</i>

5. The course based on the following precognitions:

*Basic studies on building construction, construction technology and
construction management.*

6. Required forgoing studies:

EPEKA501 Costruction Management 1. - Basics of construction.

7. Goals of the course:

The goal of the subject is to present elementary information on project management, organization of construction projects, time planning and cost estimation.

8. Detailed syllabus of the course:

WEEK	LECTURE	SUBJECT OF LECTURE	SUBJECT OF PRACTICE
1.	Introduction	Introduction. Basic information on the semester. A phases of the project..	Introduction.
2.	Participants	The participants of the construction project.	Visual tools of PM. Mind map.
3.	Phases of construction project 1.	Preparation and planning. Starting of construction projects, preparation and planning. Selecting architect (competition).	Organizations and their operation. The architect's office.
4.	Phases of construction project 2.	Selecting contractor. Construction and operation.	Planning competitions.
5.	Basics of Project Management.	PM in general.	Functional analyses.
6.	PM in construction industry	PM in details.	PM problem solving. Midsemester test 1
7.	Scheduling, basics	Basics and theory of time planning.	Communication. Conflict treatment.
8.	Scheduling, methods	The methods of scheduling. Network time planning.	Scheduling in practice 1.
9.	Constitutive week	-	
10.	Scheduling, Computer aided scheduling	Samples. Using computer for time planning. Softwares.	Scheduling in practice 2.
11.	Site planning.	Site planning.	Cost estimation. Cost and time. Midsemester test 2.
12.	Cost estimation 1	Budget, cost estimation.	Site planning in detail.
13.	Cost estimation 2.	Cost calculation methods.	Calculation in practice.
14.	Studio week.	-	

9. Educational methods of the course:

Lecturers on PM theory. Cost and time estimation methods.

10. Requirements

20% Two minor midsemester tests.(30min)

80% - Exam.

*Presence on at least 70% of the practises.
Preparation of all practical exercises on the practices.*

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:

1. Commission of the European Communities (2001) Evaluation in the European Commission EuropeAid Co-operation Office, Brussels, pp.20
2. Commission of the European Communities (2001) Project Cycle Management: Manual EuropeAid Co-operation Office, Brussels, pp.44
3. Commission of the European Communities (2001) Project Cycle Management: Handbook EuropeAid Co-operation Office, Brussels, pp.105
4. Dinsmore P.C. (ed.) (1993) The AMA handbook of project management American Management Association, New York, pp.489, ISBN 0 8144 0106 6
5. Dobson M.S. (1999) The juggler's guide to managing multiple projects Project management Institute, Derby USA, pp. 134, ISBN 1 880410 65 6
6. Harrison F.L. (1996) Advanced project management: a structured approach Gower Publishing, Aldershot UK, pp.308, ISBN 0 566 09100 3
7. Higgins J.M. (1994) 101 creative problem solving techniques The New Management Publishing, Winter Park, FL USA, pp.223, ISBN 1 883629 00 4
8. International Project Management Association (1999) IPMA Competence Baseline version 2.0 Eigen Verlag, Bremen ISBN 3 00 004057
9. Knutson J. and Bitz I. (1991) How to manage successful projects, American Management Association, New York, pp.199, ISBN 0 8144 5043 1
10. Project Management Institute (2000) Project Management Body of Knowledge (PMBOK 2000) www.pmi.org

11. Verma V.K. (1996) The human aspects of project management: human resource skills for the project manager, vol. 2 Project Management Institute, Derby USA, pp.268, ISBN 1 880410 41 9 v.2

12. Verma V.K. (1997) The human aspects of project management: Managing the project team, vol. 3 Project Management Institute, Derby USA, pp.268, ISBN 1 880410 42 7 v.3

14. Required studies and exercises of the course:

participation on the lecturers – 50%

preparation for the tests – 10%

preparation for the exam – 40%

15. The syllabus of the course was elaborated by:

Name:	Status:	Department:
<i>Adrienn Lepel PhD</i>	<i>assistant professor</i>	<i>Dep. of Construction Management and Technology</i>
<i>István Vidovszky PhD</i>	<i>assistant professor</i>	<i>Dep. of Construction Management and Technology</i>