DATA EVALUTION IN BUILDINGMATERIALS

1	Course Title:	DATA EVALUTION IN BUILDINGMATERIALS
2	Course Code:	MIM6037
3	Type of Course:	Optional
4	Level of Course:	Third Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	6.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	-
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç.Dr. ZEHRA SEVGEN PERKER
15	Course Lecturers:	-
16	Contact information of the Course Coordinator:	zsperker@uludag.edu.tr
17	Website:	
18	Objective of the Course:	The aim of this course is to teach scientific methods behind building materials such as data collection, summerization, presentation, analysing and concluding.
19	Contribution of the Course to Professional Development:	This course contributes to professional development in understanding and interpreting the data related to the properties of the building material, thus using the building material in accordance with its performance and realizing the correct architectural practices.
20	Learning Outcomes:	
	1	Teaching scientific methods behind building materials such as data collection, summerization, presentation, analysing and concluding.
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21	Course Content:	

Course Content:

Week	Theoretical	Practice
1	Introducing the scope and introduction of the course, extracting the resources of the course	
2	Building material definition and classification	
3	Data in building material science	
4	Data types in building materials science	

5	Data on the microstructure properties of the building material	
6	Data on visual properties of building materials	
7	Data on physical properties of building materials	
8	Data on chemical properties of building materials	
9	Data on mechanical properties of building materials	
10	Data on the technological properties of building materials	
11	Data collection in building materials science	
12	Data processing and organization in building materials science	
13	Data analysis and interpretation in building materials science	
14	Data analysis and interpretation in building materials science	

22	Textbooks, References and/or Other Materials:	Duggal, S.K. (2008). Building Materials, New Age International Publishers. Gale, F., Weiss, N.R. (2009). Update on Building Materials Research. Toydemir, N. (2011). Yapı Elemanı Tasarımında Malzeme, Literatür Yayıncılık. ISC (2012). Research and Evaluate Construction Materials and Methods for Complex Building Design Projects

Activites		Number	Duration (hour)	Total Work Load (hour)
TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**		
Theoretical		14	3.00	42.00
Practicals/Labs		0	0.00	0.00
Quiz	0	0.00		
Self-study and preperation		14	6.00	84.00
Homeworks		1	40.00	40.00
Final Exam	1	60.00		
Projects		0	0.00	0.00
Field Studies		4	2.00	8.00
Midterm Exams		1	3.00	3.00
Others		0	0.00	0.00
Final Exams		1	3.00	3.00
Total Work Load				183.00
Total workload / 30 h				6.00
ECTS Credit of the Course				6.00

24	**ECTS / WORK LOAD TABLE**	
Contribution of Term (Year) Learning Activities to Success Grade	40.00	Evaluation Techniques Used in the Course
Contribution of Final Exam to Success Grade	60.00	Course success is evaluated through the midterm exam (written exam) final exam (written exam) and homework

25	**CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS**															
	PQ1	**PQ2**	**PQ3**	**PQ4**	**PQ5**	**PQ6**	**PQ7**	**PQ8**	**PQ9**	**PQ10**	**PQ11**	**PQ12**	**PQ13**	**PQ14**	**PQ15**	**PQ16**
ÖK1	4	0	4	5	0	0	5	0	0	0	0	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**