

COURSE IDENTIFICATION FORM

**Course Code and Name: IM5039 STONE
MATERIAL INFORMATION**

**Department of: CIVIL ENGINEERING /
MASTER'S DEGREE PROGRAM WITH THESIS**

Semester	Theoretic Hour	Practice Hour	Total Hour	Credits	ECTS	Education Language	Type: Compulsory Elective
Fall	3	0	3	3	5	Turkish	Optional
Prerequisite (s)							
Instructor		Prof. Dr. Murat Dal				Mail : muratdal@munzur.edu.tr Web :	
Course Assistant						Mail : Web :	
Groups / Classes							
Course Aim		Determining the physical, chemical, petrographic and mechanical properties of different stone materials and evaluating the analysis results					
Course Goals							
Course Learning Outs and Proficiencies		Can recognize stone building materials, Knows the analysis of stone building materials, Knows the physical, chemical and mechanical properties of stone building materials. Knows the physical properties of stone building materials. Knows the chemical properties of stone building materials. Knows the mechanical properties of stone building materials.					
Course Basic and Auxiliary Contexts		- Doğal Taşlardaki Bozunmalar, Yrd.Doç.Dr. Murat DAL, Mimarlık Vakfı İktisadi İşletmesi, 2012. - Malzeme Bilimi, Prof. Dr. Kaşif ONARAN, Bilim Teknik Yayınevi, 1993. - Malzeme Bilimi Prob. ve Çözümleri, Prof. Dr. Kaşif ONARAN, Bilim Teknik Yay, 1993. - Malzeme Bilimi Ders Notları, Prof. Dr. Ferruh KOCATAŞKIN, İ.T.Ü. İnş. Fak. Matbaası. - Cisimlerin Yapısı ve Özellikleri, Prof. Bekir POSTACIOĞLU, İ.T.Ü. Yayını, 1981.					

- Malzemelerin Yapı ve Özellikleri, Cilt I, İç Yapılar, Cilt III, Mekanik Özellikler, Yazarlar: Moffatt, Pearsall ve Wulff, Çevirenler: K. Onaran ve B. Erman, İTÜ Yayını, 1982 ve 1978.
- Civil Engineering Materials, Ed. N. Jackson, 1984.
- The Nature and Properties of Engineering Materials, Zbigniew D. Jastrzebski, 1987.

Methods of Give a Lecture

Explanation, research, observational and experimental studies

Assessment Criteria		If Available, to Sign (x)	General Average Percentage (%) Rate
	1. Quiz	X	50
	2. Quiz		
	3. Quiz		
	4. Quiz		
	5. Quiz		
	Oral Examination		
	Practice Examination (Laboratory, Project etc.)		
	Final Exam	X	50
Semester Course Plan			
Week	Subjects		
1	Classification of stone types		
2	Classification of stone types		
3	Areas of use of stone in architecture		
4	Areas of use of stone in architecture		
5	Technological properties of different types of stones		
6	Technological properties of different types of stones		
7	Preference priorities in the use of stone in the field of architectural construction		
8	Midterm Exam		
9	Appropriate material selection and supply		
10	Appropriate material selection and supply		
11	Comparison of physical mechanical chemical petrographic properties of stones		
12	Comparison of physical mechanical chemical petrographic properties of stones		
13	The use and importance of stone in the construction industry		
14	General Exam-Presentations		

