FARM BUILDING MATERIALS

1	Course Title:	FARM BUILDING MATERIALS	
2	Course Code:	BSM3531-S	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	3	
6	Semester:	5	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	English	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. ERCAN ŞİMŞEK	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	e-posta : esimsek@uludag.edu.tr Telefon: 0 224 2941622 Adres: Uludağ Üniversitesi, Ziraat Fakültesi, Biyosistem Mühendisliği Bölümü, Görükle Kampusu, 16059, Nilüfer/BURSA	
17	Website:		
18	Objective of the Course:	Engineers work in building design, aimed to teach the basic properties of building materials	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Understand the mechanical, technological and physical properties of building materials
		2	Have standard information for building material
		3	Provide the appropriate use of the material
		4	Recognize the materials could be effective in the human and environmental health
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21	Course Content:		

Course Content:

Week	Theoretical	Practice
1	Introduction, course presentation	
2	Properties of building materials	

3	The physical properties of the material, and examples	
4	Agricultural building materials used in construction, made of metal materials	
5	Wood and wood products	
6	Stones	
7	Clay-derived materials, mud brick, brick	
8	Clay-derived materials con't	
9	Repetition of course	
10	Types of mortar and mortar element	
11	Binding materials, cement	
12	Concrete	
13	Concrete and reinforced concrete material production and using	
14	Protective materials	

22	Textbooks, References and/or Other Materials:	1.Öneş, A., 1988. İnşaat Malzeme Bilgisi. A.Ü. Ziraat Fak. Ders Yayınları No: 1094. Ankara 2.Lindley J.A. ve J.H.Whitaker 1996. Agricultural Buildings and Structures, ASAE Michigan, ABD. 3.Ekmekyapar T. ve İ. Örüng 1993. İnşaat Malzeme Bilgisi. A.Ü. Ziraat Fak. Ders Yayınları No: 145. Erzurum. 4.N. Toydemir, F. Gürdal, L. Tanacan 2000. Yapı

Activites		Number	Duration (hour)	Total Work Load (hour)
23 Theoretical Assesment		14	2.00	28.00
Practicals/Labs		0	0.00	0.00
Self study and preperation	**R**	13	1.00	13.00
Homeworks		1	20.00	20.00
Quiz	0	0	0.00	0.00
Projects		0	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams	1	1	11.00	11.00
Final Exam		1	13.00	13.00
Others		1	5.00	5.00
Contribution of Term (Year) Learning Activities to Success Grade	40.00			
Total Work Load				101.00
Contribution of Final Exam to Success Grade	60.00			
Total work load/ 30 hr				3.00
ECTS Credit of the Course				3.00
Measurement and Evaluation Techniques Used in the Course				

24 ECTS / WORK LOAD TABLE

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	3	3	4	4	3	2	3	3	3	2	0	0	0	0	0
ÖK2	3	4	3	3	3	4	3	4	3	3	1	0	0	0	0	0
ÖK3	2	4	4	3	3	4	2	3	3	3	1	0	0	0	0	0

ÖK4	1	2	4	3	3	3	2	4	3	3	1	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**