



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Ceramic Technology- I							
Course Code		MDA105		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		With emphasis on the general characteristics of the ceramic material, which finds use in building density, it is aimed to teach the technology.							
Course Content		The definition of ceramic materials, classification of ceramics, ceramic raw materials, properties of raw materials, slurry preparation, shaping, drying and firing to give the chemical information on techniques, teaching of ceramic technology.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Experiment, Demonstration, Individual Study					
Name of Lecturer(s)		Ins. Ufuk ÖREN							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	M.H. TANIŞAN- Z. METE, Ceramic Technology and Application, Söğüt, 1988
2	A. ARCASOY, Ceramic Technology , Marmara Üniversitesi Yayın No:457
3	Ş.DOĞAN,Annotated Ceramic Technology, Birsen Yayınevi, İstanbul
4	F. İŞMAN, Ceramic Technology , İstanbul Devlet Tatbiki Güzel Sanatlar

Week	Weekly Detailed Course Contents	
1	Theoretical	The definition and scope of the course
2	Theoretical	Periodic Table, alkali and alkaline earth metals
3	Theoretical	Ceramic Introduction, Definition, History, Classification of ceramic products, ceramic Today
4	Theoretical	Ceramic Raw Materials, Clay and Kaolin Group Raw Materials
5	Theoretical	Clay Minerals and Chemical Structure
6	Theoretical	Physical Properties of Clay
8	Intermediate Exam	.Midterm
9	Theoretical	Feldspar Group of raw materials, other raw materials
10	Theoretical	Concise and Other Raw Materials Group Özsüzer
11	Theoretical	Sludge Processing of Ceramics Industry
12	Theoretical	Shaping of ceramic slurry and methods
13	Theoretical	Drying the drying ceramic types, what are the factors that are important in the dryer.
14	Theoretical	Firing process, and features
15	Theoretical	Firing process, and features
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Term Project	1	2	5	7
Midterm Examination	1	5	1	6
Final Examination	1	8	1	9
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	Architectural decorative art of interior and exterior decoration technology and gain practical knowledge of materials used in ceramics and ceramic technology applications may
2	Using the basic level of knowledge and skills acquired in the field, to be able to apply the knowledge they have acquired the forms learn the techniques.
3	modern techniques that are required for applications related to the field, and be able to select the tools to be able to use information technologies and effective
4	having material science and technology
5	Ceramic raw materials, recognize the secrets, to make the formulaic expression, to classify ceramic glazes
6	To recognize the glazing process and make applications.

Programme Outcomes (Architectural Decorative Arts)

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Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P1	4			4	
P2	4	4			
P3		3	4		4
P4				4	
P5		3		4	4
P12					4
P13	3	3			
P14			4		
P17				4	

