

METU - FACULTY OF ARCHITECTURE, DEPARTMENT OF ARCHITECTURE		SUMMER SEMESTER 2019-2020	
ARCH 190- INTRODUCTION TO SURVEYING AND CONSTRUCTION TECHNIQUES		PRACTICE IN BUILDING CONSTRUCTION	
30.06.2020, Tuesday		01.07.2020, Wednesday	
Company : GUARDIAN GLASS Subject : FLOAT GLASS, GLASS PROCESSING AND SELECTION PROCESS Presenters : Olcay SEREZLİ, Volkan OSKAY, Arzu İŞIKLI		Company : SİKA Subject : CONSTRUCTION CHEMICALS, SELF-LEVELLING FLOORING, CERAMIC FLOORING AND TILING Presenters : Berk AYDIN, Onur ÖZ, Hayreddin DEMİREL, Ceren VAROL	
METU Research Assistants: Nilüfer KIZILKAYA ÖKSÜZ, Beste FAKIOĞLU		METU Research Assistants: Fatih TOPAK, Hüseyin POLAT	
Timetable		Timetable	
10:00-11:45	GLASS SELECTION CRITERIA FOR FACADE DESIGN Who is the Guardian Company? Float Glass Production Differences between UltraClear, ExtraClear and Float Glass What Performance Means? Preparation of Performance Report Descriptions of U value and Solar factor How to Manufacture New Generation Glass Coating Light Transmittance Reflection and Anti-reflective Glass Description of Color Rendering Index	10.00-11.30	FLOORING Introduction: Global and Local Presence of Sika About the Presenter: Berk Aydın Flooring Topics Our Focus: Floor Types and Sika's Solutions Defining the Terminology: Introduction to Flooring Applications Flooring Solutions Standard Applications Decorative Applications ESD&ECF Applications High Chemically Resistant Applications How to Apply Application Demo with Onur Öz
11:45-13:00	BREAK	11:00-11:30	BREAK
13:00-13:45	GLASS PROCESSING TECHNIQUES Glass Processing, Glass Cutting and Edge Treatments Heat Treated Glass Tempered Glass What is Nickel Sulphate Inclusion (NiS)? How Reduced? Heat Soaking Heat Strengthened Glass Temper-Related Failures and Methods of Failure Detection Laminated Glass Lamination Process Related Material Failures Serigraphy and Digital Printing on Glass Curved Glass Thermal Breakage Double Glazed Units and Insulated Glass	11:30-12:30	THERMAL INSULATION APPLICATIONS FOR SPECIFIC BUILDINGS
13:45-14:00	BREAK	12:30-13:30	BREAK
14:00-15:30	GLASS SELECTION PROCESS IN BUILDINGS AND CALCULATIONS for STRUCTURAL, PERFORMANCE and ACOUSTICAL ASSESSMENT of GLASS History of Glass Glass Selection Process in Buildings and Sample Projects Glass Statics Guardian Performance Calculator and Acoustical Calculator	11:30-11:45	BREAK
		13:30-14:30	APPLICATION PROCEDURE - EXTERNAL THERMAL INSULATION COMPOSITE SYSTEMS (ETICS)
		14:30-15:00	BREAK
		15:00-16:00	WHY DO WE NEED INSULATION?
Supportive References		Supportive References	
Glass Selection Criteria for Façade Design https://www.guardianglass.com/eu/en/about https://www.guardianglass.com/eu/en/tools-and-resources/resources/glass-basics https://www.guardianglass.com/eu/en/tools-and-resources/resources/glass-glossary Glass Processing Techniques https://www.guardianglass.com/eu/en/tools-and-resources/resources/glass-glossary		https://www.sika.com/ https://www.sika.com/en/construction/floor-systems.html https://www.sika.com/en/construction/tile-setting-systems.html	
		https://www.izocam.com.tr/ https://www.schneider-holz.com/fileadmin/redaktion/pdf_EN/Anwendung_Holzfaser/ETICS_EN.pdf https://cermix.com.tr/catalogues/external-thermal-insulation-composite-systems-catalogue.pdf?download	

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ARCH 190- INTRODUCTION TO SURVEYING AND CONSTRUCTION TECHNIQUES		PRACTICE IN BUILDING CONSTRUCTION	
06.07.2020, Monday		08.07.2020, Wednesday	
Company : KILIÇOĞLU Subject : CLAY ROOF TILE AND APPLICATIONS Presenter : Mert BIÇAKÇI METU Research Assistants: Elif BEKAR, Hatice BIYIK		Company : MARSHALL Subject : PAINTS AND COATING APPLICATIONS Presenters : Kemal KOÇ, Selçuk KARAMUK METU Research Assistants: Gökçe Nihan TAŞKIN, Ayça DURAN	
Timetable		Timetable	
9.00 - 9.45	Function of Roof Roof Anatomy (Main components and elements) Roof Types according to Roof Fall Arrangements Cold Deck/Warm Deck	10.00-12.00	THEORETICAL TRAINING What is Paint Coat? Components of Paint Coats Paint Coating Systems for Different Surfaces Paint Coating and System Selection by Surfaces Q/A
10.00 - 10.45	Roofing Market in Turkey Roofing Requirements Moisture Failure: Condensation Thermal Failures: Heat Loss		
11.00 - 11.30	Fire Regulations		
11.30 - 11.45	Q/A		
11:45 – 13:00	BREAK		
13.00 - 13.45	Burnt-clay Roof Tile and Their Technical Properties Microclay Technology Concrete Roof Tile, Descriptions and Technical Properties	12.00-13.00	BREAK
14.00 - 14.45	Waterproofing Thermal Insulation Wall-Roof Junction: Apron Flashing, Back Gutter Waterproofing Ridge Tile Underlayment, Ridge Vent Valley Gutter Underlayment		
15.00 - 15.45	Roof Vent Elements Roof Lights Solar Panels Photovoltaic Panels Roof Discharge Components Work Safety Instructions Company Introduction	13.00-14.00	PRACTICE TRAINING Surface Preparation for Coating Paints for Interior Walls Paints for Facades Paints for Wood Surfaces Paints for Metal Surfaces
16.00 - 16.45	Roofing System: Waterproofing, Thermal Insulation and Roof Tile Applications		
16.45 - 17.15	Q/A		
Supportive References		Supportive References	
https://www.kilicoglu.com.tr/ https://drive.google.com/drive/folders/1j99dvaAj6PS8Awixpi1_6Rc_PSaavvcS?usp=sharing https://www.bmigroupp.com/our-solutions/pitched-roofs/clay-tiles https://www.marley.co.uk/-/media/9FC1D38934E74F4890C57392DD3DF885.ashx		https://www.marshallboya.com/tr www.AkzoNobel.com www.dulux.co.uk	
06.07.2020, Monday		10.07.2020, Friday	
		Company : RIGIPS Subject : GYPSUM BOARD AND DRY CONSTRUCTION APPLICATIONS Presenters : Salim ÇAPAR, Kubilay BÜYÜKLÜ, Ali DEMİRHAN, Hasan AKTAŞ METU Research Assistants: Gülnur GÜLER KAVAS, Gizem Nur AYDEMİR	
Timetable		Timetable	
		09:30 - 10:30	THEORETICAL TRAINING
		10:30 - 11:00	APPLICATION OF ADHESIVE WALL LINING SYSTEM
		11:00 - 11:45	APPLICATION OF WALL LINING SYSTEM WITH ADJUSTABLE BRACKETS
		11:45 - 13:00	BREAK
		13:00 - 13:15	JOINTING APPLICATION - 1
		13:15 - 14:00	PARTITION WALL SYSTEMS AND APPLICATIONS
		14:00 - 14:30	MONOLITHIC/JOINTLESS SUSPENDED CEILING
		14:30 - 14:45	BREAK
		14:45 - 15:15	MODULAR/PANELLED SUSPENDED CEILING
		15:15 - 15:30	JOINTING APPLICATION - 2
Supportive References		Supportive References	
		https://www.rigips.com.tr/ https://gypsum.org/ http://www.gips.de/ https://www.eurogvypsum.org/ https://gpda.com/	

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