Code	Title	Lecture		Practica	I	Laboratory	/	Local Credit		ECTS
RES2102	Workshop of Timber (Timber)	1		4		0		3		4
Objective	shutter and floor, us deterioration the tim	istics and constructions in traditional build in traditional build in the works at Departed so for them will be re-	dings. Dument of I	uring this co National Pa	ours alace	e, material ches will be diag	nara gnos	cteristics ed and e	and sser	
Content	Department of Nation new architectural el	apply conservation a onal Palaces under the ements such as parc and pavilions owned	ne contro quets, gu	ol of craftsm illotine wind	nen dow	and instructors, d	rs. T oors	hey lear	n to	produce
Learning Outcomes	wooden elements s 2.Students recogniz 3.Students remove	mation about the cha uch as floor, window the the problems occu the endamaged laye the missing parts o em.	, door ar irred at t rs like pa	nd shutter. imber, unde aint and var	ersta rnish	and its reasor h; apply them	ns ar aga	nd diagno iin.	ose i	t visually.
RES2201	Wooden Ornamentation Techniques (Timber)	1		2		0		2		4
Objective	Teaching students wood decoration techniques in practice and increasing their knowledge and skills in this area.									
Content	Decoration Motif on Wood and Arrangement Rules / Decoration Techniques Through the Use of Wood / Techniques of Decoration Made with Additional Processes on Surfaces and Construction Elements Created Following the Construction Process / Decoration Techniques Made with Imitation Materials / Eaves, Mouldings, Cornices, Other Profiled Elements.									
Learning Outcomes	2.Students identify of 3.Students carry ou elements 4.Students are able	mation about the imprepairs carried out prepairs traintenance, repair to implement pattern mation about the ma	reviously r and pro n technic	on decorateservation plues and m	tions proc	s, cesses of dec compositions	orate			
RES2101	Timber and Build (Timber)			2		0		0	2	3
Objective	Introducing the mate	erial wood, traditiona	ıl woode	n building a	and v	wooden struc	tura	l element	s.	
Content	properties, Impairm water and Moisture Properties with exal techniques, Adding	all structure of the wo ents of the wood, Wo Relationship they cro mples, wood and Wo Plug-Connection-Te used for connections	ood Dest eate, introod cons chniques	troying Pest roduce the total truction tec	ts-p tree hnic	lant and anim species Used ques, Tradition	nal d d In nal \	iseases o Macrosco Noodwor	of W opic king	ood,
Learning Outcomes	material in the prod 2.Students recogniz 3.Students get know production.	te the wood material uction of wood. the provision of traveledge of wooden strand and evaluate trace.	aditional ructural e	wooden co elements, th	nstr neir	uction technic use and imple	ques eme	and lear	ning nd	j.
RES2111	Degradation Rea Conservation Me Wooden Building	thods on		1		2		0	2	3
Objective	The aims of Degrad	ation Causes and Co	onservati	ion Method	s on	n Wooden Bui	ildin	gs are to	tead	ch

	deterioration of wood, to train st	material properties, causes of deterioration and types of degradation of wood, how to identify types and deterioration of wood, to train staff who have professional skills and knowledge to take part in the preparation and implementation of conservation-restoration project.							
Content	Macroscopic structure and prop processed / Wood defects, dise of the use of wood / Causes of material / Protection and repair	ases and prot deterioration o	tection mof wood /	ethods//Ger Diagnostic r	neral pronethods	otection n s of degra	nethods / Pr		
Learning Outcomes	Students know the general properties.  Students know the general properties.  Students know the causes and methods.  Students know the methods of	otection meth d types of det	ods of th erioration	e wooden man. Able to dia	gnose	with visua	ıl and scient	ific	
RES1011	Computer 1	3		0		0	3	3	
Objective	Students to meet the deficiencies in the field of information technology. Computer-aided drawing and design skills develop. Increases of the capabilities of the digital environment, two-and three-dimensional thinking. The obtained data, the digital environment aims to increase transfer rates.								
Content	Special topics related into the field Introduction of different software layouts and posters for the print.	interfaces. A	uxiliary t	ools and met	hods o				
Learning Outcomes	2. Students can apply 2 dimensi	1.Students can use CAD applications for building survey.     2. Students can apply 2 dimensional digital drawing techniques.     3.Students can make 3-dimensional numerical modelling, solid models and manufacturing.							
RES1012	Computer 2	3		0		0	3	3	
Objective	To Teach the use of Information methods . Accelerating the digital							es and	
Content	Soft wares for the digital presentations. Current soft wares for design, analysis, and presentations.  Digital media products design of different environments. In the preparation of Colour, Resolution and similar matters. Digital Sketches, Types of theoretical knowledge and the creation of design visuals. Imitated for digital Presentation with Image soft wares. (photomontage, image processing, such as a variety of effects)								
Learning Outcomes	Students can design presentat     Students can work on digital p     Students can apply plot Sizes,     4.Students can make 3-D facade environment.	resentation e resolutions, f	onts, col	ours, texture:			on digital		
RES2112	Workshop of Painting (Masonry)	,	1	4		0	3	4	
Objective	Teaching to make the classical a materials and the methods of the application of the gold leaf and the methods which should apply in the state of the state of the classical apply in the state of the classical apply in the state of the classical apply in the classical applications are classical applications.	paint prepara ne printing / To	ation in the	ne engraving to the physica	restora	ation / Tea	aching to ma	ake the	
Content	The classical style engraving and application of the gold leaf / The used material in the engraving apshould apply in the engraving res	application of oplications / T	the print	ing / The me	thods c	of the pain	t preparatio	n / The	
Learning Outcomes	1.The students can make the claral care and the students know the used make the application. 3.The students make the application 4.The students know the physical engraving restoration.	aterials and the gol	ne metho	ds of the pai	nt prep	aration in			
RES2181	Degradation Reasons and Conservation Methods of W Surfaces (Interior)	all	1	2		0	2	3	
Objective	The aim of degradation reasons a	and conservat	tion meth	ods of wall s	urfaces	course:	To teach typ	oes,	

	properties, causes of deterioration mechanisms of materials used in walls, floors and ceilings of traditional structures. To teach how to identify materials and deterioration types. To train staff who have professional skills and knowledge to take part in preparation and application of conservation, restoration projects.								
Content	Causes of problems of coatings and decoration methods / Problems of wooden ceilings, their of / The problems of ceilings made of stone, their problems of wood floors, causes of their deterproblems of floors made of stone, their deterior	deterioration deterioration ioration, thei	causes, cons n, conservation ir conservation	ervation and on and on and restoration and res	restoration ition metho ion method	methods ds / The			
Learning Outcomes	Students know the properties of the material buildings interiors.     Students know the causes and types of dete buildings interiors.     Students can make visual and laboratory inv characterization.     Students can decide appropriate methods of	rioration of v	valls, ceilings or determining	and floorings	of tradition	al material			
RES1022	Documentation with Photography	2	0	0	2	2			
Objective	Teaching photographic documentation for restoration projects and studying architectural photography with digital camera.								
Content	Photography: History of photography/Light, co formation of photographic image/Structure of c image/Photographic camera information: Typo exposure/Composition/Photographic thinking/I camera and introducing their features/General diaphragm and snapshot/Reversal film/Usage photography/The importance of photography a architectural photography/Photographic methol buildings/Documentary photograph application	colour film ar ologies, lense ts situation in information area of phot as a document as in measu	nd formation ones, diaphragmones, diaphragmones and about use of cography/Casentation methoring and taking	f photographicand snapshod application camera/relation studies from d/General pring inventory of	c t, measurir areas/ Typ on between history of nciples of traditional	ng and es of			
Learning Outcomes	1.Students can use digital camera. 2.Students can obtain photographies in right technical aspects 3.Students can take photography for documentation 4.Students can use photography as a base for architectural drawings 5.Students can prepare photographic documentation in conservation and restoration field.								
RES1112	Traditional Pattern Techniques (Interior)	2	2	0	3	4			
Objective	Providing theoretical and applied information of analyse and implement patterns, different type structures.								
Content	Presentation in an Atelier with Examples of Tu Frescoes, Calligraphy and Tiles in Traditional Structure, Method and Equipment / Short Histo Turkish Decorations / The Design and Applica Compositions / Drawing and Painting Floral and on Stone, Wood, Tiles and Ceramics /Producti Learned to Develop Professional Knowledge a	Structures / Cory of the Tuition of Main Ind Geometricition of New C	General Inforr rkish Art of De Motifs in Deco Motifs / Draw Dects With the	nation on Turlecoration / Ma prations / Draving and Imple one Traditional	kish Motifs' iin Styles U wing Simple ementing p Technique	Jsed in e Pattern atterns			
Learning Outcomes	1.Students recognize and distinguish between 2.Students interpret period and form character 3.Students analyse motifs on the basis of exist 4.Students get knowledgeable of the methods 5.Students are able to correct and draw ruined 6.Students interpret and implement original co	istics, ting example of measuring I and incomp	es, g and obtainir			atterns,			
RES1031	Materials of Traditional Buildings 1	2	0	0	2	4			
Objective	The purpose of this lecture is to teach function traditional buildings.	s, equipmen	ts and compo	nents of the n	naterials of	:			
Content	The definition and classification of traditional becarrier or not carrier materials and components of the building, starting of the Ancient / Classificharacteristics.	s used in trad	ditional buildir	ngs from the b	eginning to	the end			

Learning Outcomes	1.Students know the traditional building and can define the materials. 2.Students know the functions of the materials of traditional buildings. 3.Students know the components of materials. 4.Students know the characters of the material, form and period. 5.Students can classify the materials of traditional buildings.  Materials of Traditional Buildings 2								
RES1132	Materials of Traditional Buildings 2 (Masonry+Timber)	2	2	0	3	4			
Objective	Providing students with the ability to recognize and components in traditional buildings, drawing				ruction eler	ments			
Content	Examination in an Atelier of all Weight Bearing Traditional Buildings.	and Non-Be	earing Elemer	nts and Comp	onents Us	ed in			
Learning Outcomes	1.To be knowledgeable of the components. materials, equipment, form and period characteristics of traditional buildings, 2.To be knowledgeable and be able to implement traditional production techniques, 3.To be able to measure construction elements and draw them, 4.To be able to reproduce a construction element or a part of it that is destroyed.								
RES2031	Metal Material on Traditional Buildings	2	0	0	2	2			
Objective	The course aims to present the historical change and development of metal materials in traditional buildings that are used as decorative, auxiliary and load-bearing elements. It is aimed to teach types of architectural metal materials, production methods, chemical structure, physical and mechanical properties, causes of deterioration and methods of preservation. It is aimed to introduce metal materials in traditional buildings and their types of usage, to teach reasons of deterioration of architectural metal elements and methods of preservation through assignments based on-site observations and studies.								
Content	Metal Technology, Chemical Composition of Metal Materials, Physical and Mechanical Properties / Historical Development of metal as a construction material / Metal materials and types used in Preindustrial Traditional Construction Technology / Metal materials and types used in Post-industrial Traditional Construction Technology / Conservation Methods and Restoration Techniques of Metal materials								
Learning Outcomes	1.Students recognize the types of architectural mechanical properties, 2.Students define types of use of metal as a bit 3.Students detect the causes of deterioration of methods for preservation, 4.Students enhance the topics covered in the cand observation, gain knowledge and skills for buildings.	uilding mater of metal mater course with a	rial and its pro erials and dev assignments t	oduction techr elop practical hat require or	nologies, solutions a	and ection			
RES1122	Traditional Buildings and Facade Analysis (Masonry+Timber)	2	2	0	3	4			
Objective	The course aims to introduce principles of des organizations of traditional building types from periods. It is also aimed to teach how the reflect architectural façade elements influence the façon The course aims to gain knowledge and skills the students will understand the relations between different periods.	Byzantine, Actions of difference design for façade a	Anatolian Selji erent periods and architectunalysis by on-	uk, Principaliti on functional ural impressio site assignme	ies and Ott and decora n of the bu ents throug	oman ative ilding. h which			
Content	Functional classification of traditional buildings Anatolian Seljuk, Principalities and Ottoman periteria for design and plan morphology / proper churches, tombs) / Education buildings (madra Palaces (Turkish House, mansions, summer p Military buildings (castles, barracks) / Public building types to analyse façade morphology /	eriods / Masserties of faça esties of faça esas) / Water avilions) / Co uildings / On Excursions	s Properties / de morpholog r supply buildi ommercial bui -site examina to investigate	Spatial organ yy / religious b ngs (public ba ildings (khans tions and stud sample buildi	ization prin puildings (naths) / Hou , caravans dies on san ngs	nciples / nosques, sing and erais) / nple			
Learning Outcomes	Students classify the types of traditional build Ottoman periods,     Students recognize functional properties and periods     Students identify morphological properties of	differences	according to	periods in bui	ldings from				

	according to spatial organizations and design 4.Students gain knowledge and skills in recogninspection and observation.				s by on-site	Э
RES1102	Traditional Buildings and Interior Analysis (Interior)	2	2	0	3	4
Objective	The aim of this course is to give knowledge of Beylikler and Ottoman Periods' buildings. The are also presented.					
Content	General classification of traditional building typ Periods/Religious buildings (mosque, church, buildings/Commercial buildings/Military buildin (tombs)/Turkish houses, palaces, kiosks/Build	madrasa)/So gs/Water bu	ocial buildings ildings (Turkis	/Educational sh baths)/Cen	netery build	dings
Learning Outcomes	1.Students get knowledge of different tradition 2.Students get knowledge of different building 3.Students classify different buildings types.					
RES1021	Ornamentation on Traditional Buildings	2	0	0	2	3
Objective	Defining decoration techniques in traditional be formal characteristics and techniques.	uildings and	explaining the	eir function, m	aterials, sty	yle,
Content	Concepts Related to Decorations, The Historic Relationship Between Architectural Formal Ap Construction System and Decorations, Decoration Techniques for Stone and Marble, Decoration Decoration Techniques for Wood, Techniques Surfaces and Construction Elements Created Decoration Via Paint, Decorations Made by Co Techniques for Decorations with Imitation Matellements.	proach and ation Motifs a Techniques of Decoration Following the povering Surface.	Decorations, I and Arrangem for Adobe Bri ons Made with e Construction aces, Techniq	Relationship E ent Rules, De cks and Earth Additional Po Process, Te ues for Decor	Between ecoration nenware Ma rocesses of echniques for rations with	n or Metals,
Learning Outcomes	1.To be knowledgeable of decoration terminology. To be able identify decorative motifs on a trace of traditional decoration at the second at t	nditional build on techniques ents related	s, to decorations		arry out	
	Degradation Reasons and					
RES1032	Conservation Methods on Traditional Buildings	2	0	0	2	2
Objective	The main purpose of the course is to determin deterioration in the traditional structures with a the stage of restoration practices.					
Content	Characteristics of masonry materials / Physica Structures / Humidity Problems, Damage and Analysis of Problems / Analysis of damages / Choices / Imitations / Properties of Mortars and	Protection / Cleaning, Co	System Detail onservation, R	s Foundation einforcement	to Roof an for Stones	nd s / Stone
Learning Outcomes	Students shall have knowledge and conscious. Students shall have knowledge about cause 3.Students shall learn about the techniques ar	s of deterior	ation on the hi	storic building	gs.	oaches.
RES2161	Wall, Floor and Ceiling Design of Traditional Buildings (Interior)	2	0	0	2	3
Objective	The aim of this course is to give knowledge ab floors and ceilings of traditional buildings.	out different	architectural	decoration te	chniques of	f walls,
Content	Construction techniques of walls, ceilings and architectural decoration techniques of walls (1: of ceilings (19 techniques)/ Different architecture)	5 techniques	s)/ Different ar	chitectural de	coration te	chniques /

	Technical visits to the ateliers.					
Learning Outcomes	Students get knowledge of different architect     Students get knowledge of different periods     Students can do atelier visits and technical c	techniques,	local and impo			
RES2171	Doors and Windows on Traditional Buildings (Interior)	2	0	0	2	3
Objective	To give information about the historical develowindows in the historical structures. / To exam doors and the windows in the historical structumaterials and the conservation methods of the	ine the mate res / Teachi	erial properties	and the com	ponents of	the
Content	The wall openings in the traditional structures historical buildings / The material properties, the doors in the historical structures / The causes windows and the doors in the historical structures.	ne componer of the deteri	nts and the for	rmats of the v	vindows an	d the
Learning Outcomes	1.The students know the design principles of to 2.The students know the material properties of and the students analyse the system details of 3.The students know the architectural properties monuments 4.The students know the causes of the deterior structures and the students take precautions to structures during the restoration.	the doors a the doors a es of the doo ration of the	and the window nd the window ors and the win doors and the	vs in the tradi vs in the tradi ndows in the e windows in	tional structional structional structional struction historical the historic	tures al
RES2211	Masonry Ornamentation Techniques (Masonry)	1	2	0	2	4
Objective	Teaching students applied techniques for mas skills in this area.	onry decora	tions and deve	eloping their k	knowledge	and
Content	Decoration Patterns on Masonry Buildings and on Stone and Marble / Techniques for Decorat Techniques for Decorations Made with Imitation Profiled Elements.	ions Made o	n Adobe Brick	ks and Earthe	enware Mat	erials /
Learning Outcomes	1.To be knowledgeable of the techniques and implement them, 2.To be able to identify repairs made previousl 3.To be able to carry out the maintenance, rep 4.To be knowledgeable of pattern techniques a 5.To be knowledgeable of materials and equip	y on decora air and pres and motif co	tions, ervation of de mpositions an	corated consi	truction ele	ments,
RES2131	Masonry and Building Technology (Masonry)	2	0	0	2	3
Objective	It is aimed to introduce natural stones, soil-bas management, physical, chemical and mechani masonry buildings of Anatolian civilizations. It elements that are constructed with masonry ur as well as the changes that result from the pro assignments based on-site observations and a gain knowledge and skills to understand const relations between them.	cal properties aimed to the control of the control	es of these ma each construct e load-bearing es of different p s, it is aimed to	terials which tion technolo and load-tra periods and re define maso	are used in gies of buil nsferring p egions. Wit onry materia	n ding roperties; h als and
Content	The concept of masonry construction and the units (natural stones, soil-based materials and mechanical properties / production methods of horizontal load-bearing units (foundations and components / vertical load-bearing units (walls techniques and components / tools and materijoints in Ottoman architecture / Load transferrimaterials, construction techniques and composquinches), their materials, construction techniques are elements in traditional masonry structures / int structures according to historical continuity and	binders) and bricks and floors), their piers, pillar als used for ng elements nents / Tran iques and co egration of r	d their present mortars / maser materials, cons and column the constructi (consoles, linisition element proponents / Riew systems /	tation / Physiconry construction tectors), their mate on of walls / retel, arches, vas (Turkish trialeinforcing an	cal, chemic ction technic chniques ar rials, const mortar, plas aults, dome angles, pen d supportir	eal and ques / nd ruction ster and es), their identives,

Learning Outcomes	4.Students gain knowledge and skills for usage of masonry material and building elements as well as production technologies in traditional buildings with assignments that require on-site inspection and observation.  Degradation Reasons and								
	Degradation Reasons and								
RES2141	Conservation Methods on Masonry	1	2	0	2	3			
	Buildings (Masonry)								
Objective	The aim of degradation reasons and conservation methods on masonry buildings course: To teach types, properties, causes of deterioration mechanisms of natural stones that are often used in historical buildings. To teach how to identify types of deterioration on materials. To train staff who have professional skills and knowledge to take part in preparation and application of conservation, restoration projects.								
Content	The formation of natural stones / Causes of deterioration of natural stones / Experimental studies for the identification of materials and determination of deterioration / Preparation of building inventory / Preparation of analytical scaled drawing / Methods of conservation and restoration of natural stones / Preparation of conservation and restoration project / Evaluation of national and international projects for the protection of natural stones.								
Learning Outcomes	Students can recognize the natural stones often used in historic buildings.     Students can make visual and chemical investigations for determining deterioration and material characterization.     Students can take part in the preparation of inventory, analytical survey and conservation-restoration project of historic structures,     Students can determine the methods of conservation and restoration in accordance with determinations.     Students can perform proposed methods of conservation and restoration.								
DE00400	Workshop of Engraving	4	4		•	4			
RES2132	(Timber+Interior)	1	4	0	3	4			
Objective	Teaching to make the classical and Baroque s materials and the methods of the paint prepara application of the gold leaf and the printing / Te which should apply in the engraving restoration	ation in the e eaching to th	ngraving resto	oration / Teac	hing to mal				
	The classical style engraving and its properties application of the gold leaf / The application of used material in the engraving applications / T should apply in the engraving restoration	the printing	/ The method:	s of the paint	preparation	n / The			
Learning Outcomes	1.The students can make the classical and Ba 2.The students know the used materials and the restoration, 3.The students make the application of the gol 4.The student know the physical and the chemical restoration.	ne methods of	of the paint property	eparation in tl					
	Degradation Reasons and								
RES2221	Conservation Methods of Doors and	1	2	0	2	4			
	Windows (Interior)								
Objective	The aims of Degradation Reasons and Conseteach properties of wooden materials and cause deterioration using scientific methods, to train knowledge to take part in the preparation and	ses and type staff who ha	s of their dete	rioration, to id al skills and th	dentify type: ne level of	s of			
Content	Examination of the overall structure of the wood properties of tree species / Wood defects, dise wood, the timbers used in the structure and the materials used in impregnation and their application Diagnostic methods of degradation of wooden	eases and pre eir appropria cation metho	otection methote sizes / Genodes / Causes o	ods / Principle eral protection of deterioration	es of the us n methods, n of wood /	e of the the			

Learning Outcomes	Students know the general properties of the wooden material and able to detect visually tree types and their appearance after processed     Students know the general protection methods of the wooden material     Students know the causes and types of degradation and able to diagnose with visual and scientific methods     4.Students know the methods of conservation and restoration of wood								
RES2041	Research, Measuring and Documentation	2	0	0	2	2			
Objective	Teaching to the types of the unit price and the restoration project / Teaching to prepare the baseline which used to the restoration applications / Teaching to maprocedures about the restoration applications	ill of the quaraching to pre	ntities / Teach epare the prog	ing to the typo gress paymen	es of the au	uction omputer			
Content	The general information and the definitions / The preparation of the tender dossiers about the restoration projects / Measuring about the restoration project / The preparation of the attachment in the building site of the restoration / The removal works in the building site of the restoration / The measures to be taken in the removal works / The unit price analysis in the traditional structures / The bill of the quantities in the restoration applications / The comparative bill of the quantities / The preparation of the progress payment / The explanation of the legal issues								
Learning Outcomes	1. The students know the types of the unit price and the unit price accounts, 2. The students can measure about the restoration project and the students can prepare the bill of the quantities, 3. The students know the types of the auction which used to the restoration applications, 4. The students can prepare the progress payment with the computer about the historical structures, 5. The students know making the temporary acceptance and the final acceptance procedures about the restoration applications.								
RES2011	Conservation 1	2	2	0	3	3			
Objective	Teaching the aim, principles and methods of conservation science. Giving brief information about Anatolian archaeology and emphasizing the importance of archaeology. Teaching historical development, production technics, deterioration factors and processes of cultural property such as terra cotta, glass, çini, etc. Educating technicians who have skills and enough knowledge to diagnose the deterioration type and apply the necessary conservation-restoration treatments.								
Content	General information and history of conservation of cultural property / Importance of documental inventory charts / Historical overview and production of terra cotta and their investigation terra cotta / Historical overview and production and their investigation methods / Conservation about archaeology and Anatolian archaeology / Factors and types of deterioration of glasswarestoration applications for glassware.	tion in conse- luction techn on methods a technics of a and restora / Historical of	ervation and re lics of terra co / Conservation çini / Factors a tion application overview and p	estoration wor tta / Factors an and restoral and types of cons for çini / Go production tec	ks and preand types of tion applica deterioration teneral info	paring f tions for n of çini rmation assware			
Learning Outcomes	1.Students get knowledge in preservation cond 2.Students are able to take part in documental 3.Students get knowledge about properties, prartifacts.      4.Students are able to identify deterioration facts.      5.Students are able to realize conservation and the students are able to realize conservation.	tion work of coduction tec	cultural proper chnics and hist ses of terra col	ty. ory of terra co tta, çini and g	lass.				
RES2012	Conservation 2	2	2	0	3	3			
Objective	The aims of conservation II course are teachin deterioration factors and processes of wall pai type, how to identify material type and apply the ducating technicians who have enough skills	ntings and model in the necessary and knowled	nosaics, diagn / conservation dge to work in	ostic methods -restoration to archaeologic	of deterior reatments, al excavation	and ons.			
Content	Historical development and construction techn its causes / Wall painting conservation and rest / Historical development and construction tech causes / Mosaic conservation and restoration and storage methods of artefacts at archaeological development.	storation / Me iniques of mo / Methods of	ethods of remonsaics / Detering removal and	oval and disploration of modisplay of mo	ay of wall p saics and i saics / Ren	paintings ts noval			
Learning	1.Students get knowledge about properties, pr	oduction tec	hniques and h	nistory of wall	paintings a	ind			

Outcomes	mosaics. 2.Students are able to identify deterioration factors.	ctors and tvp	es of wall pair	ntings and mo	osaics		
	3.Students are able to realize conservation an 4.Students can take part in the conservation p	d restoration	treatments fo	or wall painting	gs and mos	aics	
RES1041	Theory of Conservation	2	0	0	2	5	
Objective	To define the conservation as a concept / To i about the historical process of relating to the cawareness of the conservation						
Content	The definition and the purpose of the concept conservation / The basic principles of determine the conservation / The evolution of the conservation approach of and the natural values to be protected / The application methods of Restoration and Conservation / The concept of monument / The methods that threatening the monuments / The methods for the gathering information (The maps) / The evolution of the conservation app Conservation /The organization with the single The critical approaches.	nation of the vation appro 19th century pplication ter conservation e groups of re importance libraries, throach in Turl	conservation ach of the firs y until 1964 / T minology of R / The project monuments ar e of research ine archives of key / The intel	values / The ( t applications The classificat testoration an types used in nd buildings / n Conservation the historical mational orga	Opinions ag until Renai tion of the o d Conserva Restoration The restora on and Res newspape nizations w	ssance / cultural ation / n and ation toration / rs and with	
Learning Outcomes	<ul> <li>1.The students have the culture and the awareness of the conservation,</li> <li>2.The students know the cultural and the natural values that requiring the conservation,</li> <li>3.The students know the concept of monument and the causes of deterioration that threatening the monuments,</li> <li>4.The students know the importance of research in conservation and restoration and the methods for the gathering information,</li> <li>5.The students know the organizations about the conservation in the world and in Turkey.</li> </ul>						
RES2172	Workshop of Textile (Interior)	1	4	0	3	4	
Objective	The aims of Textile Workshop course are to teach material properties, construction and design techniques, the dyes used to manufacture historical textiles, how to identify types of deterioration, and to train staff who have professional skills and knowledge to perform conservation and restoration of historical textile.						
Content	History of Textiles / The Ottoman art of weavir Introduction to conservation and restoration of The works need to be done before conservation Methods to support the textile works / Issues r textile artefacts / Display of textiles	textile / The on and repair	factors that c r of textile / Co	ause deterior onservation a	ation of tex nd repair of	tiles / textiles /	
Learning Outcomes	1.Students know the material properties, cons 2.Students can identify the deterioration types 3.Students can clean historical textiles and res 4.Students are able to pack and store the history	of historical store their de	textile formations	ques of histor	ical textile		
RES1002	Internship 1	0	0	0	0	3	
Objective	Summer Training courses are for students to courses, to increase the professional experien life after graduation to make good career plan	ices, job sec	urity, find out				
Content	Students are supposed to spend 30 work days excavations or restoration workshops) on arch students should write a technical report and su	itectural rest	toration. At the				
Learning Outcomes	<ol> <li>Students do measuring and drawing in archiconstruction sites.</li> <li>Students adapt their theoretical knowledge i of their professional life.</li> <li>Students get information about health and set</li> </ol>	n restoration	and conserva			ntations	
RES2002	Internship 2	0	0	0	0	3	
Objective	Summer Training courses are for students to courses, to increase the professional experien						

	life after graduation to make good career plan	for themselv	/es.				
Content	Students are supposed to spend 30 work days excavations or restoration workshops) on arch students should write a technical report and su	itectural rest	toration. At the				
Learning Outcomes	Students do measuring and drawing in archi construction sites.     Students adapt their theoretical knowledge in of their professional life.     Students get information about health and sa	n restoration	and conserva			entations	
RES2122	Workshop of Metal (Masonry+Timber+Interior)	1	4	0	3	4	
Objective	It is aimed to present traditional and contemporary production methods of architectural metal materials, gain knowledge and skills for using metal materials in traditional architecture. In this context, it is aimed for students to investigate reasons of deterioration of architectural metal elements on samples and learn restoration techniques and methods by working on these materials.						
Content	Architectural metal materials (types, character technical applications for production and re-us architectural metal materials /chemical cleanin production with traditional methods / lead sheets on roofs / production of copper and tin	ing of metal g application et production	materials / mens architectura with modern	echanical clea al metal mater	ning application in the second contraction i	cations in sheet	
Learning Outcomes	<ol> <li>Technical applications for reproduction and a 2.Clean architectural metal materials using me 3.Production of new architectural elements by materials,</li> <li>Produce lead sheet with traditional and mod eaves.</li> </ol>	echanical and using iron, o	d chemical me copper, bronze	e, brass, lead,			
RES1062	History of Architecture 1	2	0	0	2	2	
Objective	Starting from Pre-Islamism until the end of Cla			elopments in a	architecture	e field are	
SSJOONVO	going to be explained with the help of building architectural styles; and the effects of these debe analysed.				ding types	and	
Content	architectural styles; and the effects of these de	c Architectur ling materials on Anatolian on technique ectural style, man Architec ian Architect	e/Architecture s/Construction Turkish Archi s/Building type /Contribution octure/Early per dirne, İstanbu	Turkish Archi of Asian Turkin techniques/Bitecture/Anatoes/Features of Beyliks Archiod of Ottomal/the growth of toman Archit	ding types tecture are kish Islamic Building blian Seljuk f architecture to an f the Ottom ecture/Arch	and going to States	
	architectural styles; and the effects of these debe analysed.  Pre-Islamism Turkish Art/First period of Islamic (Karahanli, Ghaznevid and Great Seljuk)/Build types/Architectural styles and their reflections Architecture/Building materials and construction style/Architecture of Beyliks/Features of architecture and introduction to Ottom Architecture/Building types/Case studies of İzr Empire and preparing factors of Classic Ottom	c Architectur ing materials on Anatolian on technique ectural style, man Architectian Period/Las, constructi differences as of tradition	re/Architecture s/Construction Turkish Archi s/Building type (/Contribution octure/Early per dirne, İstanbulure/Classic Otate Classic Otate Classic Otate Classic Otate Detween stylemal buildings w	Turkish Archi of Asian Turki of Asian Turki of techniques/Bi itecture/Anato es/Features of of Beyliks Archi of Ottoma I/the growth of ttoman Archit of and building s of different of	ding types tecture are kish Islamic Building blian Seljuk f architecture to an f the Ottom ecture/Archecture materials recivilizations	and going to C States Irral Ir	
Content  Learning Outcomes	architectural styles; and the effects of these debe analysed.  Pre-Islamism Turkish Art/First period of Islamic (Karahanli, Ghaznevid and Great Seljuk)/Build types/Architectural styles and their reflections Architecture/Building materials and constructions style/Architecture of Beyliks/Features of architecture Architecture and introduction to Ottor Architecture/Building types/Case studies of İzr Empire and preparing factors of Classic Ottom Sinan, his art, style and works/Buildings of Sin 1. Students get information about building type Anatolian Turkish Architecture.  2. Students can distinguish the similarities and 3. Students can comment on architectural styles.	c Architectur ing materials on Anatolian on technique ectural style, man Architectian Period/Las, constructi differences as of tradition	re/Architecture s/Construction Turkish Archi s/Building type (/Contribution octure/Early per dirne, İstanbulure/Classic Otate Classic Otate Classic Otate Classic Otate Detween stylemal buildings w	Turkish Archi of Asian Turki of Asian Turki of techniques/Bi itecture/Anato es/Features of of Beyliks Archi of Ottoma I/the growth of ttoman Archit of and building s of different of	ding types tecture are kish Islamic Building blian Seljuk f architecture to an f the Ottom ecture/Archecture materials recivilizations	and going to C States Irral Ir	
Content  Learning Outcomes	architectural styles; and the effects of these debe analysed.  Pre-Islamism Turkish Art/First period of Islamic (Karahanli, Ghaznevid and Great Seljuk)/Build types/Architectural styles and their reflections Architecture/Building materials and construction style/Architecture of Beyliks/Features of architecture and introduction to Ottoman Architecture and introduction to Ottoman Architecture/Building types/Case studies of İzr Empire and preparing factors of Classic Ottom Sinan, his art, style and works/Buildings of Sin 1. Students get information about building type Anatolian Turkish Architecture.  2. Students can distinguish the similarities and 3. Students can comment on architectural style schemas, construction techniques, building materials.	c Architectur ling materials on Anatolian on technique ectural style, man Architect ink, Bursa, E ian Architect an Period/La s, constructi differences es of tradition aterials and o	re/Architecture s/Construction Turkish Architecture/s/Building type (/Contribution octure/Early perdirne, İstanbulure/Classic Otture/Classic Otton techniques between stylemal buildings with decoration sty	Turkish Archi of Asian Turkin techniques/Bitecture/Anatoes/Features of Beyliks Archiod of Ottoma I/the growth of toman Archite and building s of different of hile analysingles.	ding types tecture are kish Islamic Building blian Seljuk f architecture to an f the Ottom ecture/Archecture materials recivilizations g their plan	and going to c States  ural c states  nan c states  elated to c s.	
Content  Learning Outcomes  RES2071	architectural styles; and the effects of these debe analysed.  Pre-Islamism Turkish Art/First period of Islamic (Karahanli, Ghaznevid and Great Seljuk)/Build types/Architectural styles and their reflections Architecture/Building materials and constructions style/Architecture of Beyliks/Features of architecture and introduction to Ottor Architecture/Building types/Case studies of İzr Empire and preparing factors of Classic Ottom Sinan, his art, style and works/Buildings of Sin 1. Students get information about building type Anatolian Turkish Architecture.  2. Students can distinguish the similarities and 3. Students can comment on architectural styles schemas, construction techniques, building materials and the strength of the similarities and 3. Students can comment on architectural styles schemas, construction techniques, building materials and the similarities and 3. Students can comment on architectural styles schemas, construction techniques, building materials and 3. Students can comment on architectural styles architecture 2	c Architectur ing materials on Anatolian on technique ectural style, man Architect an Period/La s, constructi differences es of tradition aterials and o  Western Ar rkish Empirio Architectur and develo	on Anatolian  re/Architecture s/Construction n Turkish Archi s/Building type /Contribution of cture/Early per dirne, İstanbu rure/Classic Or on techniques between style nal buildings w decoration sty    e, Rokoko, Ar  chitecture and cal Architecture pment proces hçe Palaces/N	Turkish Archi of Asian Turkish Archi of Asian Turkish Archi of Asian Turkish Archi of Education Archites and Formula Archites and building as of different of thile analysing les.  It Nouveau) of this effects on the Process of Son Aynalika leoclassic sty	ding types tecture are kish Islamic Building blian Seljuk f architecture to an of the Ottome ecture/Archecture materials recivilizations g their plan of the Ottoman vement in Ottoman payak, Beykole in Turkis	and going to c States  ural c States  elated to c States  Turkish alace oz, h	

	2.Students can comment on architectural style				g their plan					
	schemas, construction techniques, building ma 3.Students can distinguish the similarities and				ural styles v	while				
	analysing the facade and interior schemas of t									
RES2162	Workshop of Furniture (Interior)	1	4	0	3	4				
Objective	The target of this course is teaching the featur During this course, the material characteristics National Palaces will be diagnosed and essen to train skilled and well-informed staff.	s and deterio	ration of art pi	eces of the D	epartment	of				
Content	the historical development of timber/structure restoration techniques/the joint elements and techniques/decoration, nacre and boulle techniques/furnishing/the deterioration reason timber/diagnosis of biological threats/strugglin timber furnitures	glues of timb niques on fur s of timber a	er furnitures/e niture/furniture and the effects	emery and pole colorization of temperatu	lishing/vene and french re and hum	eering polish nidity on				
Learning Outcomes	1.Students learn the features of the joint elements and glues for timber furnitures.  2.Students learn to do the colorization and french polishing on furnitures.  3.Students learn to do emery and finishing on furnitures.  4.Students learn to do decoration, nacre and boulle on furnitures.  5.Students learn to struggle with biological threats; how to exhibit and store the furnitures.									
RES2021	Restoration Chemistry 1	2	2	0	3	3				
Objective		Giving basic kowledge in general chemistiry, teaching the properties of chemicals used in conservation and restoration of historical buildings, bridging the kowledge gap between chemistry and conservation practice.								
Content	Matter and its properties / The structure of the atom and period table / Elements, ions and compounds / Chemical bonds / The mole concept and Avogadro's Number / Balancing chemical reactions / Solutions / Chemical calculations / Acids and bases.									
Learning Outcomes	1.Students get basic knowledge in general chemistry.     2.Students establish relation between conservation science and chemistry.     3.Students gain knowledge about properties of inorganic materials used in architectural conservation and restoration.     4.Students are able to prepare the solutions and mixtures used in architectural conservation and restoration in proper concentration and use them properly.									
RES2022	Chemistry of Restoration 2	2	2	0	3	3				
Objective	Giving basic knowledge in inorganic and organ traditional building materials and of materials udeterioration processes caused by their interatests to investigate deterioration types and facmethods used in conservation.	used in cons	ervation and reenvironment	estoration pra , field examin	actice, chen ations and	nical simple				
Content	Introduction to organic chemistry / Functional esters, aldehydes, ketones, carboxylic acids, a capillarity / Salts, their sources and actions / Sproperties of traditional building materials / Moconservation and restoration.	amines / Visc Simple salt, o	cosity, surface il and protein	tension, sufa analysis / Phy	ace active a sical and c	gent and chemical				
Learning Outcomes	1.Students get knowledge in organic chemistry. 2.Students gain knowledge about chemical properties are also architectural conservation and restoration. 3.Students gain knowledge about physical and 4.Students are able to make field investigation 5.Students are able to work as a technician in	operties of o	roperties of tra	aditional build nd factors.						
RES2061	Workshop of Restoration Project 1	2	4	0	4	8				
Objective	Teaching to the deteriorations and the causes building or a traditional masonry building after determination of the restoration methods / Teaprojects	the preparat	tion of the ana	lytical survey	/ Teaching	to the				
Content	Preparing the analytical survey of the tradition	al buildings	and the buildir	ng component	ts / The					

	deteriorations and the determination of the causes of the deterioration / Preparing the restitution project of the traditional buildings and the building components / The investigation of the methods of restoration in the traditional buildings and the building components / Preparing the restoration project of the traditional buildings and the building components / The determination of the methods of the conservation – improvements								
Learning Outcomes	1. The students can define the phases, the changes, the destructions and the material properties of a traditional structure in the historical process, 2. The students can determine the deteriorations and the causes of the deterioration in a traditional structure, 3. The students can prepare the restitution project and the restoration project about a part of the traditional structure or a structural element, 4. The students can determine the restoration methods which should be applied about the deterioration in the traditional structures.								
RES2042	Workshop of Restoration Project 2	4	4	0	6	9			
Objective	Teaching the necessary knowledge and skills to make measured drawings of a traditional structure, part of a structure or construction element made of mixed materials (stone, wood, brick, metal, tiles, etc.) and to be subject to restoration, to establish causes of degeneration, to research restoration methods and to prepare restoration or restitution projects.								
Content	Preparing the measured drawings of a small traditional structure, part of a structure or construction element made of at least two materials such as stone, wood, metal, stucco, tiles, etc., that may be subject to restoration, establishing causes of degeneration, researching methods of restitution and restoration, preparing a restoration project, identifying methods of preservation and improvement.								
Learning Outcomes	1.To be able to prepare the measured drawings of traditional structures and construction elements, 2.To learn how to use measuring knowledge for the detailed measuring of traditional buildings, 3.To acquire the necessary knowledge and skills for the preparation of restoration-restitution projects, 4.To learn preservation and renovation methods in line with materials and type of degeneration, 5.To be knowledgeable of restoration theories and techniques, 6.To acquire the skill to take part in interdisciplinary collaborations, 7.To acquire professional and ethical responsibility and awareness.								
RES1072	Survey	2	2	0	3	4			
Objective	Teaching to prepare the analytical survey of the masonry building / Teaching to prepare the an wooden or the masonry / Teaching to methods historical structures / The explanation of the methodical structure or a structure element from the theoric information	alytical surve s of the obtai ethods of the	ey of a traditio ning informati e measureme	nal structural on for the res nt and the do	elements for toration of to cumentation	rom the the n in a			
Content	Preparation of surveying of traditional buildings analysis of the structural aspects / The determ and the structural elements / The environment changes and the destructions of the traditional that form the basis the restoration of the histor certification by the photograph, the video, the pacroscopic analysis of observational / The manalytical survey of a masonry or a masonry s between the building and the environmental	ination of the al relations of buildings / Tical buildings obtoing ammethods for p	e current situal of the tradition The used method of The measuretry, making the areparing the a	tion of the tra al buildings / nods for obtain rement techn he copy, the inalytical surv	ditional buil The phases ning all info iques / The nterviewing ey / Prepar	Idings s, the prmation e g, the ing the			
Learning Outcomes	1.The students know preparing the analytical s 2.While the students are preparing the analytic techniques that should be used, 3.The students define the phases, the changes traditional buildings along the historical proces 4.The students determine the deterioration and	cal survey, the s, the destru-	ctions and the	material prop	perties of th	ne			
RES2142	Workshop of Stone (Masonry)	1	4	0	3	4			
Objective	The aim of Stone Workshop: Introduction of th properties and carving techniques, training sta make investigations for determining deteriorati perform adequate conservation and repair.	ff who have	professional s	kills and leve	l of knowled	dge to			
Content	Within a semester, students perform conserva consolidation, repair and renovation of architecture.								

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	monuments under supervision of a stone mason. Moreover, they learn how to carve limestone and marble through forming geometric or floral patterns.					
Learning Outcomes	Students can recognize the natural stones which are often used in historic buildings.     Students are able to clean stone materials using conventional methods.     Students can produce new pieces which are adaptable to original stone elements of traditional buildings.					
RES1051	Technical Drawing	2	4	0	4	5
Objective	Teaching the principles and techniques of technical drawings which are common language for building elements, giving information for doing every technical drawings about traditional buildings.					
Content	Introducing the technical drawing instruments, standard layout dimensions and page format, text and numbers, line types and weights, exercises with pencil and drawing ink pen, scaling, geometrical drawings, the principles of descriptive geometry and its applications, projection and plan, section, elevation, exercises on plan, section, elevation, dimensioning techniques and dimensioning survey projects, various exercises, schematic drawings and symbols, simple perpective rules, representation techniques with simple perspective principles, representation of various building and decorative elements and doing exercises in different scales (1/50, 1/20, 1/10, 1/5, 1/2, 1/1), drawing door and window, drawing staircase, drawing roof, drawing column, drawing molding, drawing arch, drawing fountain, drawing mihrab, drawing techniques of dome, drawing minaret, drawing porch, perspectives of curvilinear figures, drawing monofocal and bifocal perspectives.					
Learning Outcomes	1.Students know principles and technics of technical drawing     2.Students become skilful at drawing technical drawings and projects     3.Students express traditional buildings on paper(layout) by using technical drawings, CAD and various computer programmes.					
RES1061	History of Art and Civilization	2	0	0	2	4
Objective	Providing to understand the civilization and art history with the social, the cultural and the architectural dimension /Providing to grasp the basic evolutionary process of the history of civilization					
Content	What is art? /What is the purpose of art? / The style, the perception and the representation /The prehistoric archaeological finds /The development of the abstract and the concrete thinking / The separation periods of the history of the civilization /The transition to a settled of the human communities / The political and religious thought in the settled civilizations /The art of Mesopotamia / Egyptian art / The art of Cretan and Mycenaean civilizations / Greek thought (mitos-logos) /The concept of the slavery and citizenship in Greek civilization / Greek art / Etruscan art / Roman civilization /The rule of law in Roman civilization / Roman art / The prehistoric ages in Anatolia /The development process of the restructuring actions in the first settlements / Hatti, Hittite, Phrygian, Urartian Arts / The structures of the first settlements in Anatolia (The construction materials / The construction systems / The construction types / The style properties)/ Greek, Roman and Byzantine Structures (The construction materials / The construction systems / The construction types / The style properties /The development process of the restructuring actions)					
Learning Outcomes	1.Students know the basic concepts of the civilization and art history, 2.Students are able to use that information in the restoration applications, 3.Students are able to understand the contributions to world civilization of the different cultures, 4.Students develop the critical perspective and the thinking skills, 5.Students are able to analyze as the comparative.					

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