COMPULSORY COURSES

COURSE INFORMATION								
Course Title	CODE	CODE SEMESTER T+P+L HOUR CREDITS ECTS						
Architectural Basic Design	FA 102	1	2+4+0	4	7			
Course Objectives	editing, modifying skills. Examining	Comprehension of design principles and elements. Designing with collating, editing, modifying, transforming or creating different organizations creation skills. Examining the concepts that form the basis of architectural design. The development of space-building consciousness by creating a design language.						
Course Content	abstract the visu	The applications on a theoretical and visual infrastructure are intended to abstract the visual space and spatial components through the creation of a set of problems for the development of creative thinking and purification of the student from conditioning.						
		COURSE INF	ORMATION					
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS			
Information Technology for Architects	FA 103	1	1+0+2	2	4			
Course Objectives	information tec	hnologies ir I environmer	cept of geometric to architectural stunt and learning basi	idies, actualizing	2D and 3D			
Course Content	Experiments on programs particu	_	hinking, 2D and 3l	D drawings throu	igh computer			
		COURSE INF	ORMATION					
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS			
Architectural Drawing	FA 106	1	2+2+0	3	6			
Course Objectives	It is aimed to make the students draw according to the principals and rules of technical drawing in valid all over the world.							
Course Content	will be worked be The house project of wet spaces ar	by starting from t will be dra and sizes as wo	ourse the project of om the drawings o wn in terms of app ell. Practices over o made by students.	f geometric forms lication project w	s and objects. With furnishing			

COURSE INFORMATION									
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS				
Fundamentals of Architecture	ARCH 109	1	2+0+0	2	5				
Course Objectives	Examination of t	Examination of the fundamental concepts of architecture.							
Course Content	the fundamenta context, physica	l concepts and I-socio cultura	amine the developed components throal environment, his tion, form, technology	ugh historical pro tory and precede	cess; nts,				

2ND SEMESTER

COURSE INFORMATION								
Course Title	CODE	CODE SEMESTER T+P+L HOUR CREDITS ECTS						
Construction	ARCH 110	2	2+2+0	3	5			
Course Objectives	To enable the students to: 1- Acquire the understanding of concept & nature of the building 2- Apply building construction techniques in a manner that confirms to standards, and principles for masonry buildings 3- Obtain the required knowledge for transition between concept and construction within the frame of a simple reinforced concrete structure							
Course Content	Masonry Buildings Construction Techniques, Detailed planning of a reinforced concrete structure, assisted by lectures on structural concepts and details of relevant examples.							
		COURSE INF	ORMATION					
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS			
Computer Aided Representation Techniques	ARCH 105	2	1+0+2	2	5			
Course Objectives	Drawing and mo	delling 2d an	d 3d architectural c	drawings on comp	uter.			
Course Content	Using Computer dimensional mod	•	on architectural p	rojects, drawings	and 3			
		COURSE INF	ORMATION					
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS			
Design Studies	ARCH 111	2	2+2+0	3	7			

Course Objectives	The aim of this course is to give introductory information to students about quantitative and qualitative features of architectural spaces. Also, this course tries to give a skill for solving design problems in the context of natural, historical, cultural and urban environments.						
Course Content	Understanding of quantitative and qualitative features of architectural spaces Understanding of natural, historical, cultural and urban environments and making critics through different instruments such as site trips etc. Methods for spatial data analysis and visualizations Different approaches to design problems in different contexts.						
COURSE INFORMATION							
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS		
Architectural Presentation Skills	ARCH 138	2	1+2+0	2	5		
Course Objectives	drawings, model	s are used as	tudent an understa tools of representa art of the process o	ation of an archite	ectural		
Course Content	architecture repropried orthographic pro	resentation: o pjection, axor mode provido	ssignments, each fo diagram/concept ar nometric projection es an exploration ir	nd conceptual mo , final layout. An i	del, ntroductory		
		COURSE INF	ORMATION				
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS		
Theory of Buildings	ARCH 112	2	2+0	2	5		
Course Objectives			ent of different buil leveloping basic sk				
Course Content	Historical develo group is analyze	•	communal buildin tudies.	gs is studied. Eac	ch activity		

3RD SEMESTER

COURSE INFORMATION								
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS			
History and Theory of Architecture-1	ARCH 207	3	3+0+0	2	5			

Course Objectives	This course aims to give the students detail information on World Architecture						
Course Content	World Architectu	ıre					
		COURSE INF	ORMATION				
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS		
Architectural Design I	ARCH 253	3	4+4+0	6	12		
Course Objectives	issues, issues repusing manual tevenicular access techniques, use	Students will study architectural research, site planning and topographical issues, issues regarding climate, how to present an architectural presentation using manual techniques, usage of architectural scales, human proportions, vehicular access, basic architectural programming, proper model making techniques, use of building materials, architectural elements and typical structural and mechanic services.					
Course Content			. 1/100 Building Detions and elevatio				
		COURSE INF	ORMATION				
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS		
Construction Project	ARCH 214	3	2+2+0	3	6		
Course Objectives	building. Archited design process.	Students learn and practice to design detailed construction documents of a building. Architects often face numerous different detailing tasks during the design process. The key takeaways from this course are the main principles of detail production and improving skills of problem solving.					
Course Content	system details,	staircase de	he project include; tails, 1/5-1/2 deta wn and discussed d	ils from specific			

COURSE INFORMATION								
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS			
History and Theory of Architecture-2	ARCH 208	3	3+0+0	2	5			
Course Objectives	This course aims and Islamic archi	· ·	tudents detail infor	mation on Anatol	ian, Turkish			
Course Content	Anatolian, Turkis	sh and Islamio	Architecture					

COURSE INFORMATION								
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS			
Building Statics	ARCH 261	4	2+0+0	2	2			
Course Objectives	knowledge on lo influence the be							
Course Content	diagrams; shear	Classification of loads, and forces; laws of motion; types of supports; free body diagrams; shear and moment diagrams; truss analysis techniques; centroids; moments of inertia and parallel axes theorem; introduction to mechanics of materials.						
		COURSE INF	ORMATION					
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS			
Architectural Design II	ARCH 254	4	4+4+0	6	12			
Course Objectives	more progressiv	grams; shear and moment diagrams; truss analysis techniques; centroids; ments of inertia and parallel axes theorem; introduction to mechanics of iterials. COURSE INFORMATION DE SEMESTER T+P+L HOUR CREDITS ECTS						
Course Content	and passenger s layout plan (in 1	caffold build /200 scale), the same tim	Project concerning ing on a site are a plans, sections, vieue natural and culture students.	ddressed. This cows and the mode	ourse includes el with site (in			

COURSE INFORMATION								
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS			
Architectural Design III	ARCH 353	5	4+4+0	6	12			
Course Objectives	Public Buildings	Teaching the architectural approachs to the students to design the projects of Public Buildings (such as Boutique Hotel, Houses for the Elderly, Town Hall etc), and producing the architectural projects in scales that the topic requires.						
Course Content	chosen urban a	rea; and the 000 site plan	ke the analysis and n prepare scenarions, 1/100 plans-sect	os and architectu	ral programs,			

COURSE INFORMATION								
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS			
Planning and Execution Concepts	ARCH 301	5	1+2+0	2	3			
Course Objectives	that bring the ba practices; Theref zoning legislation	To inform the learners about the zoning legislation and especially the concepts that bring the basic sanctions necessary to be obeyed in architectural practices; Therefore, it is aimed to acquire practical design skills in terms of zoning legislation, with the ability to understand the laws and regulations that must be followed in practice.						
Course Content	approval proces	Making a general sequence of laws and regulations, plan types and project approval process in architectural applications. Informing and defining the specific zoning concepts and terms used in application and legislation. Explanation of the course with construction application examples.						
	COURSE INFORMATION							
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS			
Architectural Structural Design	ARCH 345	5	2+2+0	3	4			
Course Objectives	Comprehension spatial design-ba		structural systems	in architecture th	nrough a			
Course Content	Evaluation and D	esign of Stru	ctural Systems in A	rchitecture				
		COURSE INF	ORMATION					
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS			
Theories of Contemporary World Architecture	ARCH 320	5	3+0+0	3	5			
Course Objectives	The course aims to give the student a basic critical understanding of the major shifts in architectural thinking in the 20 th and 21 st centuries, taking into consideration the main theoretical, cultural, technological, and aesthetic changes that affected architectural production.							
Course Content	assigned reading	gs - puts emp dividual arch	s, short film docur phasis on the discu itects that have ex ure.	ssion on building	gs, researches			

COURSE INFORMATION						
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS	
Architectural Design IV	ARCH 354	6	4+4+0	6	12	
Course Objectives	of urban desig	n, developir ojects within	o the necessary sking a master plan the chosen area fo	schema and c	lesigning the	
Course Content	producing a masthis area making plans, 1/100 pla	Making the necessary analysis for a chosen urban area of 20-30 ha and producing a master plan schema; and then for a selected 7-10 ha portion of this area making the density and other calculations, producing the 1/1000 site plans, 1/100 plan sections and facades and 1/20 system details and 3D visuals for a mass housing settlement project.				
		COURSE INF	ORMATION			
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS	
Analysis of Historical Buildings	ARCH 321	6	1+2+0	2	3	
Course Objectives	of historical build use analytic reco	dings to creat ording technic	on "conservation" te the awareness of ques, investigation echniques for the r	n conservation va conservation prol	lues and to plems using	
Course Content	ConservaHistory oConserva	ation Ethics ation Termino of Conservation ation Technic ation Charter	on ques			
		COURSE INF	ORMATION			
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS	
Building Materials and Physics	ARCH 331	6	2+0+0	2	4	
Course Objectives	various classes of behavior of mate -Create a cons	of engineering erials from a ciousness als e basic know	cture, properties, pg and natural mate knowledge of their pout materials and ledge about the cr	rials and underst structure d their use in	anding of the Architectural	
Course Content			anical Behavior, Tha al Materials (Meta			

	and Composites), Environmental effects, heat transfer, Sound, light and insulation.								
COURSE INFORMATION									
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS				
Theory and Application of Town Planning	ARCH 315	6	1+2+0	2	5				
Course Objectives	conducting a site	Introduction to urban design, teaching basic principles of urban design; conducting a site analysis in a historical neighbourhood and designing an open space (a square, a park, etc) according to a concept							
Course Content	Learning the fun historical urban		urban design by co	onducting a site a	nalysis in an				

COURSE INFORMATION							
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS		
Architectural Design V	ARCH 453	7	4+4+0	6	13		
Course Objectives	Delivering an integrated design project featuring spatial organization of multiple functions and the design of a wide-span structural system.						
Course Content	Studio work based on lectures, modelling and visualizations on a design project, featuring a complex system of spaces						

COURSE INFORMATION							
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS		
Architectural Design VI	ARCH 493	8	4+4+0	6	13		
Course Objectives	The main aim of the final semester of the design sequence is to focus on a design work which proves that the students have reached to a level of proficiency both in terms of professional quality and in terms of knowledge of architecture.						
Course Content	this final project	t the student	I step towards prof ts are expected to as which consider t	deal with the co	omplexities of		

architectural practice such as theory, program, technology and site. The following criteria should be considered in the design of the buildings and environment at a general level:

- Context analysis
- Organization of movement and main transportation artery,
- Organization of spaces,
- Organization of activities,
- Creation of sense of place,
- Consideration of climate, topography, landscape and history,
- Service, circulation and vehicle access
- Site specific ideas and solutions
- Flexible use of space and program
- Continuity between interior and exterior space

DEPARTMENT ELECTIVE COURSES

COURSE INFORMATION						
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS	
Building Detailing	ARCH 213	Fall	2+2+0	3	5	
Course Objectives	Gaining knowledge and experience to the students in matters of the principles and technologies related to the design, construction and detailing of the finishing elements as windows, doors, partitions.					
Course Content	their presentation	The methods, principles, required information, assessments, decisions and their presentation and lecturing, in detail design and construction of the finishing elements as windows, doors, partitions.				
		COURSE INF	ORMATION			
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS	
Mechanical & Electrical Building Services	ARCH 265	Spring	2+2+0	3	5	
Course Objectives	Gaining knowledge and experience to the students in matters of the principles and technologies related to the design, construction and detailing of the finishing elements as windows, doors, partitions.					
Course Content	their presentation	on and lecturi	iired information, a ng, in detail design s, doors, partitions	and construction		
		COURSE INF	ORMATION			
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS	
Architectural Psychology	ARCH 312	Fall	3+0+0	3	5	
Course Objectives	 To introduce students with theories and research of architectural psychology and its critics. To make students understand the transactional relationship between people and the physical environment. To familiarize students with critical theorists in architectural psychology studies 					
Course Content	The course begins with the overview of the development of the field of architectural & environmental psychology. It introduces the framework of people-environment transaction, with an emphasis on meanings people assign to various places. Then, the first half of the course focuses on such issues as the social use of space, the psychological concept of place, concept of perception and experience in architecture. The latter half deals with the relations between space-place and perception-experience, critical theories on architectural psychology and the role of architects in experiential design.					

COURSE INFORMATION						
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS	
Digital Compositing in Architecture	ARCH 332	Fall	2+0+2	3	5	
Course Objectives	To teach the fun	damentals o	he principles of cor f color correction fo of image processing	or digital composi	ting,	
Course Content	correction, keyir using MEL and P	Basic color theory, color space and color depth, color grading and color correction, keying, rotoscoping, tracking, video editing, effects development using MEL and Python scripting, image processing and development techniques, compositing				
		COURSE INF	ORMATION			
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS	
Parametric Design and Applications in Architecture	ARCH 335	Fall	2+0+2	3	5	
Course Objectives	structure also to	give an abili	arametric relations ty to create a para ghout the process,	metric design pro	cess for an	
Course Content	knowledge with project in the	in an algor context of	design principles ithmic design pro parametric design date parametric de	cess Evaluation to construct s	of different	
		COURSE INF	ORMATION			
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS	
Long Term Internship	ARCH 400	Fall/Spring	0+6+0	3	5	
Course Objectives	The aim of the course is to enable the students to work as an intern for 28 days Architecture Office Partners of YU Architecture Department. In this way, students are expected to witness the working principles of architectural offices and increase their professional skills					
Course Content	Contributing to p	orojects Expe	rience in architectu	ral Office		
		COURSE INF	ORMATION			
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS	
Contemporary Approaches to Sustainable Ecologic Buildings	ARCH 411	Fall/Spring	2+2	3	5	
Course Objectives	To observe ecologic buildings with modern perspectives and an integrated understanding of nature					

Course Content	To consider sustainable ecologic buildings with nature, materials and technology perspectives							
COURSE INFORMATION								
Course Title	CODE SEMESTER T+P+L HOUR CREDITS ECTS							
Ethics in Engineering and Architecture	ARCH 413	Spring	3+0+0	3	5			
Course Objectives	By this course, students are educated who; -are able to cover responsibilities in ethical and professional fields -are able to insight effect of engineering and architecture in dimension of social and global -are able to win universal values in dimension of risk and safety which are covered by ethical rules -are able to assess the events in context which aim of the ethical works -are able to present a case study or scenario whit effective communication, catch the ethical incompatibilities by universal values							
Course Content	Definition of the course context. moral values in philosophy. Definitions of ethics. History and theory of ethic. Basic hypothesis of ethic. Fundamentals of ethic. What is ethic in engineering and architecture? what is morality and moral values? Theories on morality. Responsibility and goodness in ethic. Experimental approaches in engineering and architecture. risk and safety concepts. Risk reducing by assessment of assumption and reality. Occupational responsibility and employer authorization. Works on case studies. Principles of ethics for colliques. Rights of engineers and architects. Presentation of team work.							
		COURSE INF	ORMATION					
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS			
Theory and Design in Architecture	ARCH 414	Spring	2+2	3	5			
Course Objectives	This course aims to give the student theoretical approaches and discussions in architecture in relation to architectural design							
To discuss architectural design approaches before 19th century (which is also called as "pre-theory period") and analyze the effects of architectural theory beginnig with Modernism movement till contemporaray theories. COURSE INFORMATION								
Course Title								
Urban Culture and Architecture	ARCH 415	Spring	3	3	5			
Course Objectives	To understand and have the ability to analyze Istanbul and world cities while looking at different aspects of architecture, urbanism, sociology, history.							
Course Content		Urban Culture and Architecture will provide students with an introduction to the physical and cultural aspect of the city they live in and in other countries.						

	They will have the tools to compare and analyze the physical/social/cultural aspects of their urban and architectural environment. In this course students will analyze their city and with walking tours they will see first hand the impact of urbanization, discuss urban renewal, architecture and the society on the spot.						
	COURSE INFORMATION						
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS		
Turkish Architecture in the Republican Era	ARCH 416	Fall	2 + 2	3	5		
Course Objectives	To give the stud	ent a detaile	d knowledge on Tu	rkish Republic ard	chitecture		
Course Content	Turkish Republic	architecture					
		COURSE INF	ORMATION				
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS		
Architectural Project Management	ARCH 418	Spring	2+2+0	2	5		
Course Objectives	Examining the main principles necessary for the application of construction projects. In order to expand the knowledge required before the students' professional work life, examining the potential problems and solutions that may arise during the application of a sample case analysis.						
Course Content	Examining the phases from the beginning to the end of a typical construction project such as what the project means, the procurement process, the parties of the project and the general responsibilities and obligations of the parties, construction and management of site, cost calculation and cost management, general planning and program building techniques, construction contract management. Increasing the students' knowledge by making case studies about these subjects.						
COURSE INFORMATION							
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS		
Atmosphere Design in Architecture	ARCH 419	Spring	3+0	3	5		
Course Objectives	Critical Analysis, Discovery and Evaluation of the "Roles and Values" of the Atmospheres created through the act of Architectural Design and its relationship with the Environment/Physical Context.						
Course Content	Readings, Observations and Site Visits, Assessments of Atmospheric Qualities via Modelsand Collages by Abstraction.						

COURSE INFORMATION							
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS		
Housing Typology	ARCH 420	Fall	3	3	5		
Course Objectives	appropriate hou	The aim of this course is to teach housing typology in in order to design appropriate houses based on different context (natural, historical, urban) and qualities of users					
Course Content	Historical evolution of Housing Typology Affects of historical, cultural, natural and urban context onto housing typologies Contemporary Housing Desing Processes						
	COURSE INFORMATION						
Course Title	CODE	SEMESTER	T+P+L HOUR	CREDITS	ECTS		
Modern Architecture- Building Details	ARCH 421	Fall	2 + 2	3	5		
Course Objectives	Learning modern masters						
Course Content	A brief look to modern architectural heritage, design and technology by learning how materials, structure and buildings assembled together.						