LIST OF	COURSES				
	FALL SEMESTER				
Course Code	Course Name	Core/ Elective	Prerequest	Credit	ECTS Credit
AR 501	Research Methods 1: Introduction to Fields of Research in Architecture	Core		(2+2)3	8
AR 523	*Introduction to Architectural Historiography	Core elect	tive	(3+0) 3	8
AR 540	*Socio-Cultural Studies in Architecture	Core elect	tive	(3+0) 3	8
AR 553	*Project Management	Core elect	tive	(3+0) 3	8
AR 581	*Principles of Building Physics	Core elect	tive	(2+2) 3	8
	ELECTIVE COURSE				7
	ELECTIVE COURSE				7
			Total EC	TS (min)	30
	SPRING SEMESTER				
Course Code	Course Name	Core/ Elective	Prerequest	Credit	ECTS Credit
AR 526	Seminar	Core		(0+2)NC	9
	ELECTIVE COURSE				7
	ELECTIVE COURSE				7
	ELECTIVE COURSE				7
			Total EC	TS (min)	30
	FALL SEMESTER				
Course Code	Course Name	Core/ Elective	Prerequest	Credit	ECTS Credit
THE RESERVE OF COMMENT	M.S. Thesis	Core		(0+1)NC	26
AR 8XX	Special Studies	Core		(8+0)NC	4
			Total EC	TS (min)	30
	SPRING SEMESTER				
Course Code	Course Name	Core/ Elective	Prerequest	Credit	ECTS Credits
	M.S. Thesis	Core		(0+1)NC	26
AR 8XX	Special Studies	Core		(8+0)NC	4
			Total EC	rs (min)	30
	ctive Courses				
	one of the following courses must be taken.				
ourse	•		Prerequest	Credit	ECTS
	Course Name		•	CACAGE STATE	Credits
and the state of t		Core electi		(3+0) 3	8
		Core electi		(3+0) 3	8
		Core electi		(3+0) 3	8
''V 20T	Findiples of building Physics	Core electi	ve	(2+2) 3	8
lective (Courses				
ourse	LOUI 3G3				ECTC
	Course Name		Prerequest	Credit	ECTS Credits
	Thesis Research		AR 501	(2+2)3	7
	Research Methods 2: Qualitative and Qualitative Approaches		AR 601	(2+2)3	7
	Research into Special Topics in Architectural Design I			(2+2)3	7
	Research into Special Topics in Architectural Design II			(2+2)3	7
	Housing in Turkey			(3+0)3	7
	Glass in 20th – Century Architecture			(3+0)3	7
	Writing on Space			(3+0)3	7

	Historical Change and Architectural Theory: From the Industrial Revolution to Post-		12:012	-
AR 520	Wodernism		(3+0)3	7
A	Contemporary Trends in Architecture		(3+0)3	7
	Architectural Design Approaches		(3+0)3	7
	Postmodernism and Architectural Theory		(3+0)3	7
	Special Topics in Architecture		(3+0)3	7
The second secon	Kinetic Structural Systems in Architecture		(2+2)3	7
	Steel and Wood Structures		(3+0)3	7
	Cognitive Issues in Design		(3+0)3	7
	Representational systems in Design		(3+0)3	7
1007-1007-100-100-100-100-100-100-100-10	Critical Debates in Contemporary Architectural and Urban Design Processes		(3+0)3	7
	Lived-Space: Exploring the Urban		(3+0)3	7
	Understanding Space		(3+0)3	7
	Real-Estate Development		(3+0)3	7
	Conflict Management and Negotiation Techniques		(3+0)3	7
	Total Quality Management		(3+0)3	7
	Project Planning and Control		(3+0)3	7
	Strategic Management for Design and Construction Firms		(3+0)3	7
	Operations Management for Construction Projects		(3+0)3	7
	Architecture and Sciecnce		(3+0)3	7
	Studies in Architectural Anthropology		(2+2)3	7
- AND THE PROPERTY OF THE PARTY	Sustainable Architecture		(3+0)3	7
	Analytical Readings of Space I		(3+0)3	7
	Analytical Readings of Space II: Applications		(2+2)3	7
	Energy Efficient Design		(3+0)3	7
	Principles of Daylighting Design and Analysis		(3+0)3	7
	Introduction to Building Energy Simulation		(3+0)3	7
	Fundamentals of Energy in Buildings		(3+0)3	7
	Heat Transfer in Buildings		(3+0)3	7
AR 587	Architectural Acoustics		(3+0)3	7
AD FOR	Introduction to Computational Heat Transfer and Fluid Flow in Building		(3+0)3	7
	Applications Energy Efficient Lighting Design			
	Energy Efficient Lighting Design		3+0)3	7
	Integrated Design and Building Information Modeling Architecture, Modernity and Indentity		3+0)3	7
	Theories and Practice in Computational Architecture		3+0)3	7
			3+0)3	7
	Analogical Reasoning in Design		3+0)3	7
	Programing Fundamentals For Computational Design		3+0)3	7
	Rural Trasformation and Built Environment		3+0)3	7
No. of the second second	Architecture in Izmir		3+0)3	7
	Advanced Studies in Orientalism		3+0)3	7
Instructi	Analysis of Kinetic Structures	(2+2)3	7

Instructions:

^{*}Students must take one of the four courses according to their research area.

AR 8XX Special Studies

CORE CO	DURSE DESCRIPTIONS				
Course Code	Course Name	Core/ Elective	Prerequest	Credit	ECTS Credits
AR 501	Research Methods 1: Introduction to Fields of Research in Architecture	Core		(2+2)3	8
research second l	mposed of two main parts. The first part is composed of episteries conducted in/on architecture. The introduction to quantitative half of this course. Furthermore, during this second half of the collare going to be identified and studied. It also provides information of	e and qualita urse, the ma	ative metho in compone	ds comp	oses the
AR 523	Introduction to Architectural Historiography	Core elective	e	(3+0) 3	8
course fo	ed for graduate students who aim to develop an expertise in the ficocuses on the evolution of architectural historiography by way of of samples of architectural historiography.				
AR 526	Seminar	Core		(0+2)NC	9
	s concerning the results of a certain research subject on the architect				
		Core elective		(3+0) 3	8
Culture; ⁻ Public Sp	and the Other: The Politics of Difference; Modernity and Mode The Traditional, The Vernacular, and The Ordinary; The Post-Colonial ace; Consumption Culture; Environmentalism; Globalization and Its tion in Architectural Practice	Discourse; Ge	ender and S	pace; Th	eories of
AR 553	Project Management	Core elective	9	(3+0) 3	8
Fotal qua	nd practice of project management. Roles of designer, owner, generality management in the building construction industry. Systems the control of project on technology, structuring information flows and the control of project.	ory as applied			
AR 581 F	Principles of Building Physics	Core elective		(2+2)3	8
of buildin nethod is	introductory course presenting the fundamentals on the basic issuengs, architectural lighting and acoustics, and conducting research based on lectures with working assignments and practical exercises wilding physics in simple problems and report them. The aim is to see the contract of	methods for s. Students wi	these topic Il conduct re	s. The ecessearch in	ducation nto each
roblems					
roblems	M.S.Thesis	Core		(0+1)NC	26

Graduate students supervised by the same faculty member study advanced topics under the guidance of their advisor.

Core

(8+0)NC

4

ELECTIV	/E COURSE DESCRIPTIONS				
Course Code	Course Name	Core/ Elective	Prerequest	Credit	ECTS Credits
AR 602	Research Methods 2: Qualitative and Qualitative Approaches	Elective	AR 601	(2+2)3	7

This course concentrates on an in-depth study of qualitative and quantitative research methods that are already introduced in the first semester. All through the semester specific examples on the use of qualitative and quantitative research methods will be discussed in detail by means of presentations by faculty and invited researchers. In the mean time, students are expected to start working on their research proposals for their dissertations and develop it all through the semester.

AR 502 Thesis Research Elective AR 501 (2+2)3 7

This course concentrates on an in-depth study of qualitative and quantitative research methods that are already introduced in the first semester. All through the semester specific examples on the use of qualitative and quantitative research methods will be discussed in detail by means of presentations by faculty and invited researchers. In the mean time, students are expected to start working on their research proposals for their dissertations and develop it all through the semester.

AR 511 Research into Special Topics in Architectural Design I Elective (2+2)3 7

The course aims at exploring specific areas of concern for architectural design oriented research studies. It also focuses on specific building types with specialized functional requirements and the related problems faced during the design process.

AR 514 Research into Special Topics in Architectural Design II Elective (2+2)3 7

The course aims at exploring specific areas of concern for architectural design oriented research studies. It also focuses on specific building types with specialized functional requirements and the related problems faced during the design process.

AR 517 Housing in Turkey Elective (3+0)3 7

Course is organized for providing a comprehensive and original research area. The major research areas are decided as; user and housing relations, development of plan typology, housing and housing lot relations, city and housing relations, transformation of housing morphology and mass housing. It is planned to transmit information about the topics below that is expected to provide a reliable background about the housing question:

- 1. Modern housing experience in Western word
- 2. Early cases in Turkey
- 3. Urban housing and the city and the Turkish case
- 4. Housing and economics

New housing typology in Turkey

Victorial Designation (Control of Control of		
AR 518 Glass in 20th –Century Architecture	Elective	(3+0)3 7

After Enlightenment, glass was known as a revolutionary scientific tool which enlarged human horizon of knowledge. It was widely accepted that through the use of glass lenses in telescopes and microscopes the scientific reality beyond corporeal perception became accessible in both micro and macro scales. In the Medieval Age, however, glass served as a mysterious device mediating between the higher reality of God and human being. In the Gothic Cathedral, rather than offering a direct access to truth, glass was used to bring out its incommensurability. In Modern Architecture the use of this paradoxical tool perplexing mankind between sight and blindness, gave rise to numerous ground-breaking questions which have not been lucratively answered yet. This elective draws attention to the introduction of glass into architectural discipline as a 'modern' element. In view of diverse buildings designed by well-known architects of the 20th-Century such as Mies van der Rohe, Bruno Taut, Le Corbusier, the lexicon associated with the use of glass will be explored. It is possible to describe this course as a research study which focuses on the concepts of "transparency, opacity, translucency" and "light architecture." Observing these concepts, students will have an opportunity to examine and question the re-emergence of glass in the current architectural agenda.

AR 519 Writing on Space	Elective	(3+0)3	7
Primary aim of this course is to develop new methods in underst who are interested in architectural history and theory. In additi narrations, concepts like daily life, individualism, locality, subject will be introduced to the students.	on to macro-historical conce	pts constituting l	nistoric
Historical Change and Architectural Theory: From the Industr AR 520 Revolution to Post-Modernism	Elective	(3+0)3	7
The period that the course focuses on, reaches from the 19th conscience and reason brought forward an unprecedented social, colonialist and imperialist domination, to the 20th century when radical movements bringing forth modern architecture as we know transformation which anticipated the changes within the contempt	urban and technological tran the realms of art and archite now it and finally an introd	sformation coup	led wit
AR 521 Contemporary Trends in Architecture	Elective	(3+0)3	7
Contemporary architectural design trends such as modern, la discussed based on realized projects from Turkey and abroad w	ith specific emphasis given t	to the space orga	nizatio
AR 522 Architectural Design Approaches A course dealing with mainly the discussion of the various arceminent architects.	Elective hitectural design approache	(3+0)3	7 ched b
AR 522 Architectural Design Approaches A course dealing with mainly the discussion of the various arceminent architects.			
AR 522 Architectural Design Approaches A course dealing with mainly the discussion of the various architectural Design Approaches	Elective cture and the relationship of a safter the Second World Wanted by significant theoretical ury. After an introductory the 1960s, the course will contain architecture such as the inchno-determinism to the ristfect, " into architectural displacements."	(3+0)3 architectural proof. Such an understal texts and architectural frame of the corporation of second proof.	duction tanding tectural ness then the so
A course dealing with mainly the discussion of the various are eminent architects. AR 524 Postmodernism and Architectural Theory The course aims to understand the state of contemporary architector historical and theoretical change with recourse todev elopment requires looking at radical shifts in architectural debate represent production over roughly the second half of the twentieth center mediate postwar developments in architecture until the end of stalled "post-modern" era. Reaching from early reactions to modern populist or neo-M arxist historicism, vernacularism and technique architectural production within a framework of "historical results are construction, sustainability or perishability and the "Bilbao en urvey architectural production within a framework of "historical results are constructed in the construction of the cons	Elective cture and the relationship of a safter the Second World Wanted by significant theoretical ury. After an introductory the 1960s, the course will contain architecture such as the inchno-determinism to the ristfect, " into architectural displacements."	(3+0)3 architectural proof. Such an understal texts and architectural frame of the corporation of second proof.	duction tanding tectural ness then the somiology ology
AR 522 Architectural Design Approaches A course dealing with mainly the discussion of the various architects. AR 524 Postmodernism and Architectural Theory The course aims to understand the state of contemporary architector historical and theoretical change with recourse todev elopment requires looking at radical shifts in architectural debate representation over roughly the second half of the twentieth cent mediate postwar developments in architecture until the end of called "post-modern" era. Reaching from early reactions to moder populist or neo-M arxist historicism, vernacularism and technical deconstruction, sustainability or perishability and the "Bilbao e	Elective cture and the relationship of a safter the Second World Wanted by significant theoretical ury. After an introductory the 1960s, the course will contain architecture such as the incomplete in architecture such as the incomplete, in into architectural disponents."	(3+0)3 architectural proof. Such an undersel texts and architectural frame focusing of corporation of selections of selections of phenomen scourse, the course, the course.	duction tanding tectura nes the niclogy ology rse wil

As a result of the rapid change in activities of modern society and developments in building technology, a need of the adaptable space emerged which was the necessary precondition for the rise of the concept of motion in architecture. This conceptual transformation may be dated to the end of the twentieth century. What marks the approach to the design of this new, late twentieth-century conception of space is 'motion', which will now play an increasingly important role both conceptually and in applications of design. Our capability of utilizing kinetics in architecture today can be extended far beyond what has previously been possible. We will look at the kinematic analysis and synthesis methods used so far in mechanical engineering and explore its direct or in-direct applications into the architectural field. Additionally, Visual Nastran 4D which rapidly build complex models and test, refine and verify mechanical assemblies, will be analyzed. As an end product, students are expected to prepare a final homework.

between different layers that construct space.

motion, kinesthetics; space and visual perception

	Steel and Wood Structures	Elective		(3+0)3	7
	and Lumber, Types of Loading, Nailed and Stapled Connections, Probl or of Steel, Behavior of Individual Steel Elements, Arrangement of Trus				7.7
AR 545	Cognitive Issues in Design	Elective		(3+0)3	7
	ourse will introduce different issues in design cognition that have				
	n will be definitions of design and explanations of the design process cognition and criticisms against these views. Those which are heav sized.				
AR 546	Representational systems in Design	Elective		(3+0)3	7
current of desi represe	entational systems in architecture are rapidly transforming with no condition in architecture, this course will investigate the claim that regn thinking as one of the tools used in the design. It will investigate entation systems. Finally, architectural products from different per apporaneous representational Systems	presentation e the shifts i	al systems ir n the histor	npact the	e process hitectura
AR 547	Critical Debates in Contemporary Architectural and Urban Design Processes	Elective		(3+0)3	7
rural sp	ace.				
4N 346	Lived-Space: Exploring the Urban	Elective		(3+0)3	7
The conbeen ur produce ranging relation "The cri critical of choice", course is Referrin directly audial)	iception of which the notions of space and built environment belong inder critical coercion and it is argued that these notions are physical ed in urban context. Additionally, spatio-temporality of any event from the production of a building to an urban demonstration needs ship within. tique of everyday life does not make life's problems any simpler. It reconsciousness which is higher than the consciousness exerted when the exploration of urban environment in terms of theoretical frames.	just to the analy, socially, each happened the to be explored and the explored we make the works construction the urbalife. Both vinception of the liver was a social way to be a social	conomically brough the under determines a he occasional ceted through an context his visual (still deo and phis he inhabitar	liscipline and idec urban se rstand th a critical al uncom h the pat will be c and mov otograph nts inclu-	has long blogically ttlement are power and self-inplicated th of this bbserved ving) and ing the
The conbeen ur produce ranging relation "The cri critical oc choice", course is Referrin directly audial) value apparation participa relevant	inder critical coercion and it is argued that these notions are physical and in urban context. Additionally, spatio-temporality of any event from the production of a building to an urban demonstration needs ship within. It ique of everyday life does not make life's problems any simpler. It reconsciousness which is higher than the consciousness exerted when the exploration of urban environment in terms of theoretical frameway is vital. In the motto "social space is a social product", the power strugg on the "lived-space" in the limits of the course. During the course, the will refer to this spatio-temporality for re-presenting the everyday us of exploring the everyday life in urban context shapes the per ator of the course. During the course, the participators are aiming a writers on which its topics is developed.	just to the analy, socially, each happened the to be explored and the explored were make the total life. Both vinception of the to understand the explored and the explored the explored and the	conomically brough the under determines a he occasional context havisual (still deo and phand the urband the urband the urband context havisual (still deo and phand the urband the urband the urband the urband context havisual (still deo and phand the urband the ur	liscipline and idec urban se rstand th a critical al uncom h the pat will be o and mov otograph nts inclu- n settler	has long blogically ttlement e power and self- and self- and self- aplicated th of this bbserved ving) and any as an ding the ment via

The content of the course consists of: main theories and historical understandings of space; the relationship between time and space; phenomenology of space; the relationship between life of space and the spatial practices; space and

AR 552 Real-Estate Development	Elective	(3	+0)3	7
The course starts with general knowledge on housing issues. Besides the introduced. Site selection, legal context, design development, finance selected samples are considered depending on the theoretical knowledge.	cing and marketi	f "real-estate de	velopi	ment"
AR 555 Conflict Management and Negotiation Techniques	Elective	[3]	+0)3	7
Conflict and Negotiation Management course presents negotiation theory, stra				
Negotiated Agreement) and building to a more cooperative approach of Integration to distinguish among these basic models and assess their utility in different work the course is a blend of theoretical presentations and learning milieus. Maste negotiations is best done experientially through role plays. The course is distinguished management experience through role-play negotiations. Students will be able to rate this in their own final grades. Course will feature simulation games, can games and case studies, and the students' reaction to them, will provide the leaders of the decision mechanism and the role of perceptions in managing conflicts. Basic conflict and negotiation related concepts and processes are general construction management field. Construction disputes will particularly be cover from design through completion. Interdependent relationships exist between the conflict is astounding. In today's competitive marketplace, construction to conflict is astounding. In today's competitive marketplace, construction	k contexts. ring the fundament lesigned to provide to track their progre ase studies and grou basis for class discu and context-free, red as the construct en owners, contrac municipalities. The professionals mus	als of distributive students with possess as a negotiator up discussions as sissions abut the nation industry requictors, subcontract potential risk of fire	and in ractical and wil well. Sin ature o specific res coo cors, ar nancial	tegratively tegratively tegration of the tegratical of tegratical
bargaining techniques in order to be profitable. The unresolved and often unrec The games and role-plays will illustrate context-free decision patterns while son to construction sector decision-making and negotiations. The course will help en This course also aims to give students a vision on issues of emotional quan relationships in business life through a set of suggested readings. In this framewow working with difficult people and effective listening. The course content is inter-	ognized cost of cont ne will exemplify cont thance skills at creat titity and ethical rul ork, the course refer	flict diminishes pro nflict and choice p ing value in negot les for qualified a rs to motivation, c	ofitabili patterns liations and sus ommur	ty. s specifi stainabl nication
bargaining techniques in order to be profitable. The unresolved and often unrec The games and role-plays will illustrate context-free decision patterns while son to construction sector decision-making and negotiations. The course will help en This course also aims to give students a vision on issues of emotional quan relationships in business life through a set of suggested readings. In this frameworking with difficult people and effective listening. The course content is interposychology by seminars of the guest lecturers who are experts in the field.	ognized cost of contine will exemplify contine will exemplify contine will exemplify contine with and ethical rule ork, the course referenced to get enrich	flict diminishes pro inflict and choice p ing value in negot es for qualified a rs to motivation, c ed with the supp	ofitabili patterns liations and sus commun orting i	ty. s specifi tainabl nication ssues c
bargaining techniques in order to be profitable. The unresolved and often unrec The games and role-plays will illustrate context-free decision patterns while son to construction sector decision-making and negotiations. The course will help en This course also aims to give students a vision on issues of emotional quan relationships in business life through a set of suggested readings. In this frameworking with difficult people and effective listening. The course content is interpsychology by seminars of the guest lecturers who are experts in the field. AR 556 Total Quality Management	ognized cost of contine will exemplify contine will exemplify contine will exemplify contine with and ethical rule ork, the course referended to get enrich	flict diminishes pro nflict and choice p ing value in negot les for qualified a rs to motivation, c ed with the suppo	ofitabili patterns iations and sus commun orting i	ty. s specifi tainabl nication ssues o
bargaining techniques in order to be profitable. The unresolved and often unrec The games and role-plays will illustrate context-free decision patterns while son to construction sector decision-making and negotiations. The course will help en This course also aims to give students a vision on issues of emotional quan relationships in business life through a set of suggested readings. In this frameworking with difficult people and effective listening. The course content is interested by seminars of the guest lecturers who are experts in the field. AR 556 Total Quality Management Theory and practice of total quality management. Customer satisfactors are commitment, training, teamwork, statistical methods, cost of quality management.	rognized cost of contine will exemplify contine will exemplify contine will exemplify contine a contine will exemple to get enrich the course referenced to get enrich the cou	flict diminishes pro inflict and choice properties in negoties for qualified a rs to motivation, could with the support	ofitabili patterns iations. and sus ommur orting i	ty. s specifi tainable nication ssues o
bargaining techniques in order to be profitable. The unresolved and often unrec The games and role-plays will illustrate context-free decision patterns while som to construction sector decision-making and negotiations. The course will help en This course also aims to give students a vision on issues of emotional quan relationships in business life through a set of suggested readings. In this frameworking with difficult people and effective listening. The course content is interpsychology by seminars of the guest lecturers who are experts in the field. AR 556 Total Quality Management Theory and practice of total quality management. Customer satisfactommitment, training, teamwork, statistical methods, cost of qualimplementation.	rognized cost of contine will exemplify contine will exemplify contine will exemplify contine a contine will exemple to get enrich the course referenced to get enrich the cou	flict diminishes pro inflict and choice properties in negoties for qualified a rs to motivation, could with the support	ofitabili patterns iations and sus ommur orting i	ty. s specifi tainable nication ssues o
bargaining techniques in order to be profitable. The unresolved and often unrec The games and role-plays will illustrate context-free decision patterns while son to construction sector decision-making and negotiations. The course will help en This course also aims to give students a vision on issues of emotional quan relationships in business life through a set of suggested readings. In this frameworking with difficult people and effective listening. The course content is interpsychology by seminars of the guest lecturers who are experts in the field. AR 556 Total Quality Management Theory and practice of total quality management. Customer satisfactommitment, training, teamwork, statistical methods, cost of qualimplementation. AR 557 Project Planning and Control Project planning, planning phases, WBS, different planning methods budgeting, cost estimating techniques, resource allocation and leveling, Project and Primavera applications.	rognized cost of contine will exemplify contine will exemplify continues skills at creat attity and ethical rule ork, the course referended to get enrich ended to get enrich exercises, continuality, supplier involved Elective	flict diminishes pro- inflict and choice pro- ing value in negotiles for qualified a rs to motivation, co- ed with the support improvement, olvement, custo (3+ CPM, PERT), sci	ofitabilistations. Indicate sustainations on the community of the communit	s specification ssues o
bargaining techniques in order to be profitable. The unresolved and often unrec The games and role-plays will illustrate context-free decision patterns while som to construction sector decision-making and negotiations. The course will help en This course also aims to give students a vision on issues of emotional quan relationships in business life through a set of suggested readings. In this frameworking with difficult people and effective listening. The course content is interpsychology by seminars of the guest lecturers who are experts in the field. AR 556 Total Quality Management Theory and practice of total quality management. Customer satisfactommitment, training, teamwork, statistical methods, cost of qualimplementation. AR 557 Project Planning and Control Project planning, planning phases, WBS, different planning methods budgeting, cost estimating techniques, resource allocation and leveling.	rognized cost of contine will exemplify contine will exemplify continues skills at creat attity and ethical rule ork, the course referended to get enrich ended to get enrich exercises, continuality, supplier involved Elective	flict diminishes pro- inflict and choice pro- ing value in negotiles for qualified a rs to motivation, co- ed with the support improvement, olvement, custo (3+ CPM, PERT), schoring, variance re-	ofitabilinations. Ind sussommur orting i managemer s 0)3 hedulineporti	ty. s specification ssues o 7 gement service 7
bargaining techniques in order to be profitable. The unresolved and often unrec The games and role-plays will illustrate context-free decision patterns while som to construction sector decision-making and negotiations. The course will help en This course also aims to give students a vision on issues of emotional quan relationships in business life through a set of suggested readings. In this frameworking with difficult people and effective listening. The course content is interpsychology by seminars of the guest lecturers who are experts in the field. AR 556 Total Quality Management Theory and practice of total quality management. Customer satisfactommitment, training, teamwork, statistical methods, cost of qualimplementation. AR 557 Project Planning and Control Project planning, planning phases, WBS, different planning methods oudgeting, cost estimating techniques, resource allocation and leveling. Project and Primavera applications.	rognized cost of continue will exemplify continue will exemplify continue skills at creat attity and ethical rule ork, the course referended to get enrich relative action, continual ity, supplier involved action action ity, supplier involved action in the continue ity, supplier involved action in the continue ity, progress monitors are and performance, competitive advance, competitive significant involved action in the competitive advance, competitive significant in the continue in the con	flict diminishes pro- inflict and choice pro- ing value in negoties for qualified a rs to motivation, or ed with the suppose (3+ improvement, blyement, custo (3+ CPM, PERT), sci oring, variance r (3+ ance, analyzing tage, market-battrategies, gener	ofitabilities atterns in a sustain on sustai	ty. s specific tainable nication sssues of 7 gemen service 7 nd and ng, MS

management, trade-off analysis, activity sampling, health and safety regulations, moral and legal obligations, the concept of waste, waste re-cycling and re-use, just-in-time deliveries (JIT), outsourcing, reasons for outsourcing,

selecting material vendors and sub-contractors.

AR 562 Architecture and Sciecnce	Elective	(3+	-0)3	7
Modernity and architectural knowledge. Interconnections, implantations architectural knowledge from both historical and contemporary perspectetc.				
AR 564 Studies in Architectural Anthropology	Elective	(2+	2)3	7
The field of architectural anthropology is identified as a science of architectural and anthropological forms of fieldwork. In other word potential dimension of architecture', drawing attention to the study of the a collective response to urban/rural form and space. Here the study of successfully evaluate social changes, cultural transformations by tracing issue emerging with modernization attempt. Fieldwork for surveying sed in rural, semi-rural or urban context, in Turkey or abroad, related to practice of people in transformation process.	s, architectural a he spatial aspect f architecture car ng signs, alteration liments of moder	anthropology ar of ritual/ tradition function as a u ons and perman nity in transit ca	ticulat n/dail nique encies n be a	tes 'the ly life as lens to of any ny case
AR 571 Sustainable Architecture	Elective	(3+	0)3	7
development/progression activities particularly in the last three decade starts out from a critical historical overview of approaches and practi South, Developed-Developing, First World-Third World, West-East are state a more circumstantial platform centering not on global but local definition of sustainable design approaches in the world and the projects in Turkey concept of locality in social, cultural, ecological, political, economic, technological	ices toward susta arting points towa ons of sustainabil will be scrutinize	ainability. Oppos ard moving the se ity. To this end, t d. Among these	itions cope a the inc practic	North- long to dicators ces, the
AR 572 Analytical Readings of Space I	Elective	(3+	0)3	7
Architectural and urban morphology; Typology of common buildings; Typ scale with the urban pattern; Relationship between human orientation applications of space syntax analysis.				
AR 573 Analytical Readings of Space II: Applications	Elective	(2+2	2)3	7
Analysing the fundemental theoretical texts on space and time relation recordings, and representations in order to analyse the relations in an uwith various approaches.		nical skills with o	bserv	
AR 582 Energy Efficient Design	Elective	(3+0))3	7
The course covers the principle criteria for energy efficient design, the account of the supplementary and different configurations of building envelope. It is supplementary and plus energy, low energy, zero energy and plus energy building expenses.	ented with envir			
AR 583 Principles of Daylighting Design and Analysis	Elective	(3+0)3	7
This is a course to present fundamentals of Daylighting design, analysis, an the basic issues of building physics; and to conduct research methods for on lectures with working assignments and practical exercises. Studen Daylighting in simple problems and report them. The aim is to set a strong	these topics. The	e education met research into ea	hod is ach is:	based sue of
AR 584 Introduction to Building Energy Simulation	Elective	(3+0)3	7
This course develops an understanding on basics of energy efficient archienergy simulation for buildings. The CAD tools are used for the preperformance in regard to building physics.	itecture and build	s on this to dev	elop s	kills in

WIASTER OF SCIENCE PROGRAM				
AR 585 Fundamentals of Energy in Buildings	Elective		(3+0)3	7
For improving a perspective focused about energy and thermodynamics; r	main definition	s and funda		nportan
to energy are introduced. Properties of pure substances, first and second	laws of therm	nodynamics,	fundamer	ntals an
applications of air-conditioning are investigated in this course.				
AR 586 Heat Transfer in Buildings	Elective		(3+0)3	7
Fundamentals of heat transfer are introduced with applications to energy		/from build		
transfer mechanisms; heat conduction, convection and radiation are invest	igated in this o	course.	ing envelo	ре. пеа
AR 587 Architectural Acoustics	Elective		(3+0)3	7
In order for architects to have a better grasp of the acoustic aspects of ou	ır built enviror	mont the n	busies of a	o baua
well as the principles of auditory perception should be well understood.	This course int	roduces the	hasic prin	souna a
architectural acoustics. Topics include: Sound and hearing, indoor/outdoor	sound propag	ation sound	inculation	docia
guidelines for room acoustics and noise control.	sound propug	ation, sound	i ilisulatioi	i, uesigi
AR 588 Introduction to Computational Heat Transfer and Fluid Flow in Building Applications	Elective		(3+0)3	7
Governing equations are obtained for cartesian and cylindrical coordinate		olution pres	oss of the	-1
state and transient heat conduction problems are considered; and lam	s. Numerical s	olution proc	ess of the	steady
problems in computational fluid dynamics are investigated based on building	inai anu turbi ig annlications	ulent nows	and neat	transre
AR 589 Energy Efficient Lighting Design				
AN 365 Lifetgy Efficient Lighting Design	Elective		(3+0)3	7
This is a course to present fundamentals architectural lighting design, with	its energy eff	iciency, and	its analys	is under
the basic issues of building physics; and to conduct research methods for t	hese topics. Ti	he education	method	is based
on lectures with working assignments and practical exercises. Students will	conduct resea	arch into eac	h issue of	lighting
in simple problems and report them. The aim is to set a strong link with prac-	ctice and pract	ical problem	is.	
AR 590 Integrated Design and Building Information Modeling	Floating		(2.0)2	
	Elective		(3+0)3	7
The course focuses on how models created in Building Information Modelin	ng based CAD	systems are	communic	cated to
analysis tools in other disciplines. Students will be introduced to tools for	creating para	metric mode	els, and ex	porting
these models into a number of formats in order to carry out analysis for str	ucture, energy	/, lighting, ad	coustics as	well as
cost estimation and construction scheduling. This project based course w	ill, through ha	nds-on exer	cises, exp	ose the
behind the scenes structure of the database and assumptions underlying BI	M technology	and give stu	dents the	chance
to discover the limits of interoperability that is available with state of the art	systems.			
AR 591 Architecture, Modernity and Indentity	Elective		(3+0)3	7
This course aims to introduce students to selected themes related to the po	litics of identit	y (modern, i	mperial, n	ational
religious among others) in architectural and urban spaces of the				
19th, 20th and 21st centuries. Concepts of authorship, audience, conceptual	constructions	of the 'Wes	t' and the	
Orient', colonialism, imperialism, nation building and heritage will be				
addressed through selected readings and case studies.				
AR 592 Theories and Practice in Computational Architecture	Elective		(3+0)3	7
This course is a seminar course on computational theories and practice in ar	chitecture. It fo	ocuses on th	e changes	and
shifts in architectural theory and practice since the introduction of computat	ional technolo	gies, tools, a	and ideas i	nto
architecture. The course stems from the premise that design thinking involve	es and is made	possible wit	h tools th	at we
use as designers. Shifts and changes in the tools and technologies offer new	potentials in d	esign thinkir	g while bl	ocking
some others. Through these changes, some so called traditional tools, crafts,	and represen	tational syst	ems are	
considered obsolete. They became extinct. Some lament these changes and	some are over	ly optimistic	about the	m.
The fast and almost uncontrolled shifts in the current digital technologies recommend for the current digital technologies.	quire a critical	and analytic	al look into	their
application. The shift has been around for long enough that there exhibits en	titled the arch	eology of th	e digital. B	ooks
and publications in the area are abundant.				

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