

IZMİR INSTITUTE OF TECHNOLOGY
GRADUATE SCHOOL OF ENGINEERING AND SCIENCES
DEPARTMENT OF ARCHITECTURE
CURRICULUM OF THE GRADUATE PROGRAMS

M.S. LIST OF CORE COURSES					
Course Code	Course Name	Core/ Elective	Prerequisite	Credit	ECTS Credits
AR 501	Research Methods 1: Introduction to Fields of Research in Architecture	Core		(2+2)3	8
AR 526	Seminar	Core		(0+2)NC	9
AR 500	M.S. Thesis	Core		(0+1)NC	26
AR 8XX	Special Studies	Core		(8+0)NC	4

Core-Elective Courses					
AR 523	*Introduction to Architectural Historiography	Core elective		(3+0) 3	8
AR 540	*Socio-Cultural Studies in Architecture	Core elective		(3+0) 3	8
AR 553	*Project Management	Core elective		(3+0) 3	8
AR 581	*Principles of Building Physics	Core elective		(2+2) 3	8

*Students must take at least one of the four courses according to their research area.

Total Credit (minimum) :21

Number of courses with credit (minimum) :7

Ph.D. LIST OF CORE COURSES					
Course Code	Course Name	Core/ Elective	Prerequisite	Credit	ECTS Credits
AR 601	Epistemological Foundations of Research	Core		(3+0)3	9
AR627	Seminar II	Core		(0+2)NC	9
AR 600	Ph.D. Thesis	Core		(0+1)NC	26
AR 8XX	Special Studies	Core		(8+0)NC	4

Total Credit (minimum) : 21 (for students with M.S. Degree)

Number of courses with credit (minimum) :7 (for students with M.S. Degree)

Total Credit (minimum) :42 (for students with B.S. Degree)

Number of courses with credit (minimum) :14 (for students with B.S. Degree)

Elective Courses				
Course Code	Course Name	Prerequisite	Credit	ECTS Credits
AR 502	Thesis Research	AR 501	(2+2)3	7
AR 602	Research Methods 2: Qualitative and Qualitative Approaches	AR 601	(2+2)3	7
AR 511	Research into Special Topics in Architectural Design I		(2+2)3	7
AR 514	Research into Special Topics in Architectural Design II		(2+2)3	7
AR 517	Housing in Turkey		(3+0)3	7
AR 518	Glass in 20th –Century Architecture		(3+0)3	7
AR 519	Writing on Space		(3+0)3	7
AR 520	Historical Change and Architectural Theory: From the Industrial Revolution to Post-Modernism		(3+0)3	7
AR 521	Contemporary Trends in Architecture		(3+0)3	7
AR 522	Architectural Design Approaches		(3+0)3	7
AR 524	Postmodernism and Architectural Theory		(3+0)3	7
AR 525	Special Topics in Architecture		(3+0)3	7

AR 534	Kinetic Structural Systems in Architecture		(2+2)3	7
AR 535	Steel and Wood Structures		(3+0)3	7
AR 545	Cognitive Issues in Design		(3+0)3	7
AR 546	Representational systems in Design		(3+0)3	7
AR 547	Critical Debates in Contemporary Architectural and Urban Design Processes		(3+0)3	7
AR 548	Lived-Space: Exploring the Urban		(3+0)3	7
AR 549	Understanding Space		(3+0)3	7
AR 552	Real-Estate Development		(3+0)3	7
AR 555	Conflict Management and Negotiation Techniques		(3+0)3	7
AR 556	Total Quality Management		(3+0)3	7
AR 557	Project Planning and Control		(3+0)3	7
AR 558	Strategic Management for Design and Construction Firms		(3+0)3	7
AR 559	Operations Management for Construction Projects		(3+0)3	7
AR 562	Architecture and Science		(3+0)3	7
AR 564	Studies in Architectural Anthropology		(2+2)3	7
AR 571	Sustainable Architecture		(3+0)3	7
AR 572	Analytical Readings of Space I		(3+0)3	7
AR 573	Analytical Readings of Space II: Applications		(2+2)3	7
AR 582	Energy Efficient Design		(3+0)3	7
AR 583	Principles of Daylighting Design and Analysis		(3+0)3	7
AR 584	Introduction to Building Energy Simulation		(3+0)3	7
AR 585	Fundamentals of Energy in Buildings		(3+0)3	7
AR 586	Heat Transfer in Buildings		(3+0)3	7
AR 587	Architectural Acoustics		(3+0)3	7
AR 588	Introduction to Computational Heat Transfer and Fluid Flow in Building Applications		(3+0)3	7
AR 589	Energy Efficient Lighting Design		(3+0)3	7
AR 590	Integrated Design and Building Information Modeling		(3+0)3	7
AR 591	Architecture, Modernity and Identity		(3+0)3	7
AR 592	Theories and Practice in Computational Architecture		(3+0)3	7
AR 593	Analogical Reasoning in Design		(3+0)3	7
AR 594	Programming Fundamentals For Computational Design		(3+0)3	7
AR 595	Rural Transformation and Built Environment		(3+0)3	7
AR 621	Architecture in Izmir		(3+0)3	7
AR 626	Advanced Studies in Orientalism		(3+0)3	7
AR 632	Analysis of Kinetic Structures		(2+2)3	7