IZMIR INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ARCHITECTURE
UNDERGRADUATE PROGRAM

LIST OF COURSES

1. SEMESTER

Course Code	Course Name	Core/ Elective	Prerequite	Credit	ECTS Credits
AR 101	Introduction to Design	Core		(4+8) 8	12
AR 121	Introduction to Architecture	Core		(3+0) 3	5
AR 161	Graphic Communication	Core		(2+2) 3	6
MATH 121	Basic Mathematics I	Core		(4+0) 4	4
ENG 101	Development of Reading and Writing Skills I	Core		(3+0) 3	3
				Total Credits	**21**
				Total ECTS	**30**

2. SEMESTER

Course Code	Course Name	Core/ Elective	Prerequite	Credit	ECTS Credits
AR 102	Introduction to Architectural Design	Core	AR 101	(4+8) 8	12
AR 122	History and Theory of Architecture I	Core		(3+0) 3	3
AR 152	Building Technology and Science I	Core	AR 161	(2+4) 4	4
AR 182	Introduction to Building Materials and Physics	Core		(2+0) 2	3
AR 164	Computer Applications for Designers	Core		(1+2) 2	3
ENG 102	Development of Reading and Writing Skills II	Core		(3+0) 3	3
GCC 101	Career Planning and Development	Core		(2+0) NC	2
				Total Credits	**22**
				Total ECTS	**30**

3. SEMESTER

Course Code	Course Name	Core/ Elective	Prerequite	Credit	ECTS Credits
AR 201	Architectural Design I	Core	AR 102	(4+8) 8	12
AR 221	Architectural History and Theory II	Core		(3+0) 3	3
AR 231	Structural Mechanics	Core		(3+0) 3	3
AR 251	Building Technology and Science II	Core	AR 152	(2+2) 3	3
AR 281	Introduction to Energy and Heat Transfer	Core		(2+2) 3	3
ENG 201	Advanced Reading & Communication Skills	Core		(3+0) 3	3
SP191	Summer Practice I: Measured Drawing (2 Weeks)		AR 152	0	2
SP192	Summer Practice II : Surveying And Mapping Knowledge (4 Weeks)			0	4
				Total Credits	**23**
				Total ECTS	**33**

4. SEMESTER

Course Code	Course Name	Core/ Elective	Prerequite	Credit	ECTS Credits
AR 202	Architectural Design II	Core	AR 201	(4+8) 8	11
AR 222	Architectural History and Theory III	Core		(3+0) 3	4
AR 232	Structural Analysis and Design I	Core		(3+0) 3	4
AR 252	Building Technology and Science III	Core	AR 251	(2+2) 3	4
AR 264	Computer Aided Architectural Modeling	Core		(2+2) 3	4
				Total Credits	**20**
				Total ECTS	**27**

5. SEMESTER

Course Code	Course Name	Core/ Elective	Prerequite	Credit	ECTS Credits
AR 301	Architectural Design III	Core	AR 202	(4+8) 8	10
AR 331	Structural Analysis and Design II	Core	AR 232	(2+2) 3	4
AR 351	Physical Concepts of Structural Systems	Core		(2+2) 3	4
AR 381	Introduction to Acoustics and Lighting	Core		(2+2) 3	4
TURK 201	Turkish Language I	Core		(2+0) NC	2
TURK 203	Turkish for International Students I	Core		(2+0) NC	2
	* Elective	Elective			4
AR 290	Summer Practice III: Construction Site / Archaeological Site Practice (6 Weeks)			0	4
				Total Credits	20
				Total ECTS	32

6. SEMESTER

Course Code	Course Name	Core/ Elective	Prerequite	Credit	ECTS Credits
AR 302	Architectural Design IV	Core	AR 301	(4+8) 8	10
AR 332	Seismic Behavior and Design of Structures	Core	AR 331	(2+2) 3	4
CP 453	Urban Planning and Design Principles	Core		(3+0) 3	4
TURK 202	Turkish Language II	Core		(2+0) NC	2
TURK 204	Turkish for International Students II	Core		(2+0) NC	2
	* Elective	Elective		3	4
	* Elective	Elective		3	4
				Total Credits	20
				Total ECTS	28

7. SEMESTER

Course Code	Course Name	Core/ Elective	Prerequite	Credit	ECTS Credits
CP 401	Urban Design Studio	Core	AR 302	(4+8) 8	12
AR 451	Project and Building Management	Core		(3+0) 3	3
AR 457	Building Application Project	Core	AR252	(2+2) 3	4
HIST 201	Principles of Ataturk I	Core		(2+0) NC	2
HIST 203	History of Turkish Revolution for International Students I	Core		(2+0) NC	2
	* Elective	Elective		3	4
	* Elective	Elective		3	4
AR 390	Summer Practice IV: Architectural Office Practice (6 Weeks)			0	4
				Total Credits	20
				Total ECTS	33

8. SEMESTER

Course Code	Course Name	Core/ Elective	Prerequite	Credit	ECTS Credits
AR 402	Architectural Design V	Core	AR 302	(4+8) 8	13
HIST 202	Principles of Ataturk II	Core		(2+0) NC	2
HIST 204	History of Turkish Revolution for International Students II	Core		(2+0) NC	2
	* Elective	Elective		3	4
	* Elective	Elective		3	4
	* Elective	Elective		3	4
				Total Credits	17
				Total ECTS	27

Elective Courses

Course Code	Course Name	Prerequite	Credit	ECTS Credits
AR 310	Introduction to Photography		(2+2) 3	4

AR 311	Freehand Drawing from Observation		(3+0) 3	4
AR 312	Architectural Portfolio Design		(3+0) 3	4
AR 313	Computer Aided Architectural Drawing		(2+2) 3	4
AR 328	Ancient Egyptian Architecture		(3+0) 3	4
AR 330	Form Structure Relation		(2+2) 3	4
AR 333	Earthquakes and Building Behavior		(3+0) 3	4
AR 335	Historic Building Materials		(3+0) 3	4
AR 336	Contemporary Earth Architecture		(3+0) 3	4
AR 355	Professional Ethics in the Built Environment		(3+0) 3	4
AR 361	Digital Media and Architectural Design		(3+0) 3	4
AR 365	Building Information Modeling		(3+0) 3	4
AR 382	Ecological Studies in Architecture		(3+0) 3	4
AR 383	Lighting Analysis in Building Physics		(2+2) 3	4
AR 384	Introduction to Architectural Acoustics		(3+0) 3	4
AR 385	Building Form and Thermal Performance		(3+0) 3	4
AR 396	Introduction to Performative Computational Architecture		(3+0) 3	4
AR 403	Studio in Product Design		(2+2) 3	4
AR 404	Studio in Architectural Conservation	**CP 401**	(2+2) 3	4
AR 405	Studio in Interior Design		(2+2) 3	4
AR 406	Studio in Landscape Design		(2+2) 3	4
AR 423	Introduction to Ottoman Readings in the History of Architecture		(3+0)3	4
AR 424	Regionalism in Architecture		(3+0) 3	4
AR 425	Contemporary Archaeological Approaches to Architectural Heritage		(3+0) 3	4
AR 426	Spatial Perception and Representation		(3+0) 3	4
AR 427	Environmental Psychology		(3+0) 3	4
AR 428	Orientalism and Architecture		(3+0) 3	4
AR 429	Introduction to Architectural Restoration		(3+0) 3	4
AR 433	Thinking on the History of Structure		(3+0) 3	4
AR 434	Designing the Geometry of Motion		(2+2) 3	4
AR 435	Design of Earthquake Resistant Buildings		(3+0) 3	4
AR 436	Architecture and Urban Settlement of İzmir		(3+0) 3	4
AR 437	Contemporary Building Materials and Systems	**AR 252**	(3+0) 3	4
AR 440	Architectural Design Approaches		(3+0) 3	4
AR 444	Programming and Evaluation in Architecture		(3+0) 3	4
AR 446	Design Evolution		(3+0) 3	4
AR 447	Rural Built Environment		(3+0) 3	4
AR 449	Supplementary Curricular Courses		(3+0) 3	4
AR 454	Construction Project Planning & Scheduling		(2+2) 3	4
AR 455	Construction Administration		(3+0) 3	4
AR 456	Building Economics		(3+0) 3	4
AR 462	Housing Studies		(3+0) 3	4
AR 472	Architectural Building Types of Medieval Anatolia		(3+0) 3	4
AR 473	Selected Issues on Architecture and the City		(3+0) 3	4
AR 475	Architecture of the Republican Era		(3+0) 3	4
AR 482	Building Performance Simulation for Sustainable Design		(2+2) 3	4
AR 483	Design Principles of Energy Efficient Building		(2+2) 3	4
AR 484	Ottoman and Republican Architecture		(3+0) 3	4
AR 485	Integrated Building Systems		(3+0) 3	4
AR 486	Design Principles of Passive Heating and Cooling Systems of Buildings		(3+0) 3	4

Instructions:

*Students must take 8 elective courses with total of 24 credits in the final 4 semesters, 18 credits of these courses should be technical electives.
 *At least 240 ECTS credits are reqıired.