

## FACULTY OF ARCHITECTURE AND DESIGN

Anadolu University, Faculty of Architecture and Design founded in 2011 by giving priority to the Universal ideas and values. Focal points of the faculty are; to encourage critical and reflective thinking to develop the investigative, aesthetic sensitivities, creative sides, vocational responsibilities and selfconfidence of the students, to empower to become visionary, socially and environmentally aware members of the local and global professional design community, to provide the capability of computer and information technologies to design processes. Nowadays, Faculty consists of Department of Architecture which is founded in 1984 as a Department of Faculty of Engineering and Architecture, Department of Interior Design which is founded in 1993 as a Department of Faculty of Fine Arts. Education in Industrial Design and Fashion Design departments started respectively in 2000 and 2001 as the departments of School of Industrial Arts. These departments offer undergraduate and graduate programmes. During the training and education process; theoretical courses, workshops, seminars, conferences, exhibitions, fashion shows, sketches and trips for research and survey are handled as a whole. Distinguished academicians of the Faculty actively contribute to the industrial organizations and sector of the society and remain in contact with its environment. They also actively involved in research projects some of them are carried out in cooperation with the sector. Departments: Department of Architecture (\*\*), Department of Fashion-Design (\*) Department of Industrial Design (\*), Department of Interior Design (\*), Department of City and Regional Planning (\*\*\*) Department of Landscape Architecture (\*\*\*) Department of Yacht Design (\*\*\*) \* Optional Preparatory School Training \*\* Required Preparatory School Training. \*\*\*Not founded.

Dean : Prof. Dr. Sevin AKSOYLU  
Vice Dean : Assoc. Prof. Dr. M. Erdem ÜREYEN  
Vice Dean : Asst. Prof. Dr. Özlem MUMCU UÇAR  
Secretary of Faculty : Cevat ERKEN

### STAFF

**Professors:** Sevin AKSOYLU, Alper ÇABUK, Meral NALÇAKAN, Nuray ÖZASLAN, Leyla Y. TOKMAN, Ruşen YAMAÇLI

**Associate Professors:** Ertuğrul ALGAN, Nilay ERTÜRK, Emrah GÖKALTUN, B. Burak KAPTAN, Yüksel ŞAHİN, Osman TUTAL, M. Erdem ÜREYEN, Berna ÜSTÜN

**Assistant professors:** Mehmet Ali ALTIN, Faruk ATALAYER, Füsün CURAOĞLU, H. Günseli DEMİRKOL, Hicran Hanım HALAÇ, Mehmet İNCEOĞLU, Özge KANDEMİR, Özlem KANDEMİR, Ece KANIŞKAN, Rana KARASÖZEN, Güler KOCA, Özlem MUMCU UÇAR, Ash ÖZÇEVİK, Nazmiye ÖZTÜRK, Ali ULU, Esra VAROL

**Lecturers:** Birol AKÇORAL, Mehmet ALAY, Mehmet Emin ARSLAN, Levent BURGAZLI, Feray ERGİNCAN, Atınc ÖZDEMİR, Duygu ÖZGÜL DURSUN, H. Alev ÖZKUL, Özgür ÖZŞEN, F. Melike SÜMERTAŞ, Engin Tamer ŞEN, Levent YAZICIOĞLU, Tolga YILMAZ

**Instructors:** Ayla CANAY, Osman ŞİŞMAN

**Research Assistants:** Mustafa BADEM, Seda CANOĞLU, Özgür CEYLAN, Betül G. EKİMCİ, Gizem Hediye EREN, Engin KAPKIN, Figen KIVILCIM, Şakir ÖZÜDOĞRU, Ayşe Seçil TEKİN AKBULUT, Emre TÜFEKÇİOĞLU, Duysal TÜTÜNCÜ

**Others:** Duygu İrem CAN

## DEPARTMENT OF ARCHITECTURE

Architecture can be described as the design of the built or man-made environment. This environment is in nature social, cultural, political, economic as well as physical. Design is a process of creative intervention, the purpose of which is to improve the built environment. This calls for: a) an interest in the human condition, in so far as it is effected by and affects the built environment; b) the development of intellectual and creative qualities, critical abilities, the capacity to make value judgments and the motivation to learn; c) the acquisition of knowledge in the arts and sciences (as it shapes the built environment) and the development of analytical, creative, technical, managerial, organizational and communication skills. The Department of Architecture, Anadolu University-Eskişehir was founded in 1984 within the organizational structure of the faculty of engineering and architecture. By 1993, Anadolu University was divided into two distinct universities; as a result of this the department of architecture was reorganized and has commenced education in 1994 with a brand new spirit and incentive. In October, 1999 the department of architecture has finally moved into newly purpose built buildings at the İki Eylül Campus of the Anadolu University. Today, the department enjoys of some 6,000 m<sup>2</sup> indoor space including 4 Lecture Rooms, 9 Design studios, 2 computer labs (CAD and GIS lab), print room, construction lab, model-making studio, darkroom, departmental library, exhibition halls, terrestrial photogrammetry studio, project studio for teachers and students working together, photography studio and staffrooms/administrative block. The department has 23 full-time and 10 part-time members of teaching staff including 2 professors, 3 Associate professors, 7 Assistant Professors, 6 senior lecturers, 6 Research Assistants and 10 part-time nation wide renown practising architects working as studio masters. Each member of staff has his/her own well

Each member of staff has his/her own well equipped and furnished office. Numerous projects have been completed through the design office so far, and several member of staff took part in designing and construction phases Today, the department has a potential for offering services to both public and the industry due to the expertise staff and the facilities available.

The decision making body dealing with the departmental matters is composed of all faculty members of the department. The department is governed by one chairman and two deputy chairmen. One of the deputy chairmen takes care of the technical matters while the other deputy chairmen assists the chairman in academic activities in the department.

Head : Prof. Dr. Nuray ÖZASLAN  
 Deputy Head : Assoc. Prof. Dr. Emrah GÖKALTUN  
 Deputy Head : Assoc. Prof. Dr. Osman TUTAL

### PROGRAM

I. SEMESTER				II. SEMESTER			
MAT 195	Calculus	3+0	3,0	MİM 104	Construction Elements	2+2	4,0
MİM 115	Introduction to Architectural Design I	2+4	5,0	MİM 110	Introduction to Architecture	2+0	2,0
MİM 117	Basic Design I	2+4	5,0	MİM 116	Introduction to Architectural Design II	2+4	5,0
MİM 119	Architectural Presentation	2+4	5,0	MİM 118	Basic Design II	2+4	5,0
MİM 131	Design Information	2+2	4,0	MİM 120	Computer Applications in Architecture	2+2	3,0
TAR 165	Atatürk's Principles and History of Turkish Revolution I	0+0	2,0	TAR 166	Atatürk's Principles and History of Turkish Revolution II	0+0	2,0
	<i>Elective Courses (1)</i>	-	3,0	TÜR 103	Turkish Language	4+0	4,0
	<i>Foreign Language Courses (1)</i>	-	3,0		<i>Elective Courses (1)</i>	-	2,0
			30,0		<i>Foreign Language Courses (1)</i>	-	3,0
							30,0
III. SEMESTER				IV. SEMESTER			
MİM 211	History of Architecture I	2+0	3,0	MİM 212	History of Architecture II	2+0	3,0
MİM 239	Architectural Design Project I	4+8	9,0	MİM 214	Structural Analysis I	3+0	3,0
MİM 241	Physical Environment Control I	2+0	2,0	MİM 240	Architectural Design Project II	4+8	9,0
MİM 243	Building and Construction Methods I	2+2	5,0	MİM 242	Physical Environment Control II	2+0	2,0
	<i>Departmental Elective Courses (2)</i>	-	9,0	MİM 244	Building and Construction Methods I	2+2	5,0
	<i>Elective Courses (1)</i>	-	2,0		<i>Departmental Elective Courses (2)</i>	-	6,0
			30,0		<i>Elective Courses (1)</i>	-	2,0
							30,0

**V. SEMESTER**

MİM 315	History of Architecture III	2+0	3,0
MİM 321	Structural Analysis II	3+0	3,0
MİM 323	Architectural Design Project III	4+8	9,0
MİM 329	Architectural Conservation I	2+0	2,0
MİM 343	Building Application Project	2+2	5,0
ŞPL 313	Urban Design Criteria	2+2	5,0
	<i>Departmental Elective Courses (1)</i>	-	3,0
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**VI. SEMESTER**

MİM 316	History of Architecture IV	2+0	3,0
MİM 324	Architectural Design Project IV	4+8	9,0
MİM 330	Architectural Conservation II	2+2	4,0
MİM 335	Building Services System	3+0	3,0
ŞPL 314	Urban Design Studio	2+2	5,0
	<i>Departmental Elective Courses (2)</i>	-	6,0
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**VII. SEMESTER**

MİM 419	History of Architecture V	2+0	3,0
MİM 425	Architectural Design Project V	4+8	9,0
ŞPL 301	Legal Aspects of Reconstruction	2+0	3,0
	<i>Departmental Elective Courses (3)</i>	-	12,0
	<i>Elective Courses (1)</i>	-	3,0
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**VIII. SEMESTER**

MİM 406	Construction Management and Cost Analysis	3+0	3,0
MİM 426	Architectural Design Project VI	4+4	10,0
ŞPL 403	Legal Aspects of Construction	2+0	3,0
	<i>Departmental Elective Courses (3)</i>	-	12,0
	<i>Elective Courses (1)</i>	-	2,0
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**DEPARTMENTAL ELECTIVE COURSES**

BİL 263	Computer Aided Design I	2+0	3,0
BİL 264	Computer Aided Design II	2+0	3,0
BİL 367	Computer Aided Design III	3+0	4,5
FOT 202	Photography	2+0	3,0
GRA 203	Graphic Presentation	2+1	3,0
MİM 215	Model Making	2+2	3,0
MİM 224	Architecture and Philosophy	3+0	3,0
MİM 245	Building Materials	3+0	3,0
MİM 256	Art and Architecture Terms and Definitions	3+0	3,0
MİM 312	Traditional Turkish House	3+0	3,0
MİM 318	Architectural Design Theories	3+0	3,0
MİM 325	Building Acoustics	3+0	3,0
MİM 326	Room Acoustics	3+0	3,0
MİM 328	Housing During Republic Period	3+0	3,0
MİM 334	Approach to Dwelling Design	3+0	3,0
MİM 336	Urban History in Anatolia	3+0	3,0
MİM 337	Timber Structures	3+0	3,0
MİM 341	History of Housing in Anatolia	3+0	3,0
MİM 345	Architecture and the Media	3+0	3,0
MİM 350	Prefabrication	2+2	3,0
MİM 354	Landscape Design in Architecture	3+0	4,5
MİM 360	Distance Education in Architectural Design	3+0	4,5
MİM 366	Conservation Theories	3+0	3,0
MİM 401	Interior Design I	2+2	4,5
MİM 402	Interior Design II	2+2	4,5
MİM 421	Accessibility for All	2+2	4,5
MİM 422	Architecture and Ecology	2+2	3,0
MİM 423	Ecological Planning and Design	2+2	3,0
MİM 427	Architectural Design Analysis	3+0	3,0
MİM 430	Landscape Design	2+2	4,5

MİM 432	Contemporary Structure Systems	2+2	4,5
MİM 434	Design Criteria of Cultural Buildings	3+0	3,0
MİM 454	Building Design in the Historical Environment	3+0	3,0
MİM 470	Material and Structure Problems in Old Buildings	2+2	4,5
MİM 471	Urban Landscape	3+0	3,0
MİM 483	History of Modern City	3+0	3,0
MÜH 302	Interdisciplinary Applications	1+2	4,5
MÜH 302 (Eng)	Interdisciplinary Applications	1+2	4,5
PPT 104	Perspective	2+1	3,0
RSM 205	Free Hand Drawing	2+0	3,0
SNT 203	History of Art	3+0	3,0
SOS 226	Man and Sociology	3+0	3,0
ŞPL 304	Environmental Aesthetics	3+0	3,0
ŞPL 306	City Planning and Modernity	3+0	3,0
ŞPL 308	Geographical Information Systems	2+2	3,0
ŞPL 310	Remote Sensing	2+2	3,0
ŞPL 312	Environment and Urban Design	2+2	3,0
ŞPL 401	City Planning I	2+2	4,5
ŞPL 402	City Planning II	2+2	5,5
ŞPL 404	Disabled and Urban Space	4+0	4,5
ŞPL 406	Administrative Aspects of Planning	3+0	3,0
ŞPL 407	City Administration and Environment	3+0	3,0
ŞPL 408	New Town Policy	3+0	3,0
ŞPL 409	Contemporary Approaches to Urban Design	3+0	3,0
ŞPL 411	Urban Conservation and Renewal	3+0	3,0
ŞPL 413	Urban Space and Life	3+0	3,0

**ELECTIVE COURSES**

ALM 255 (Ger) German I	3+0	4,0
ALM 256 (Ger) German II	3+0	4,0
ALM 357 (Ger) German III	3+0	4,0
ARK 108 Archaeology	2+0	2,0
BEÖ 155 Physical Education	2+0	2,0
FRA 255 (Fra) French I	3+0	4,0
FRA 256 (Fra) French II	3+0	4,0
İSP 151 (Spa) Spanish I	4+0	4,0
İSP 152 (Spa) Spanish II	4+0	4,0
İŞL 423 Entrepreneurship and Venture Creation	3+0	3,0
İTA 255 (İta) Italian I	3+0	4,0
İTA 256 (İta) Italian II	3+0	4,0
KÜL 199 Cultural Activities	0+2	2,0
MÜH 404 Innovation Management	3+0	3,0

MÜZ 151 Short History of Music	2+0	3,0
MÜZ 157 Traditional Turkish Art Music	2+0	2,0
PSİ 102 Psychology	3+0	3,5
RUS 255 (Rus) Russian I	3+0	4,0
RUS 256 (Rus) Russian II	3+0	4,0
SAN 155 Hall Dances	0+2	2,0
SOS 155 Folkdance	2+0	2,0
THU 203 Community Services	0+2	3,0
TİY 121 Introduction to Theatre	2+0	3,0

**FOREIGN LANGUAGE COURSES**

İNG 109 Advanced English I	3+0	3,0
İNG 110 Advanced English II	3+0	3,0
İNG 151 (Eng) English I	3+0	3,0
İNG 152 (Eng) English II	3+0	3,0

**DEPARTMENT OF FASHION DESIGN**

Fashion design department which was established in 2001. Normal education duration is 4.00 years; in addition, students can go to the English Preparatory School during one year. Education program can be classified as basic, supporting, professional and elective. After second year, students can produce their designs in application courses and they can develop themselves by the help of applications towards the market needs. After third year, students do their studies in computer in developed computer laboratories. Students can be easily focused on the different aspects of the fashion design profession by the elective courses, which are updated according to Fashion Design working area. Students who graduated from this department get the title of Fashion Designer. The Fashion Design Department which is department of School of Industrial Arts is located in main Campus of Anadolu University. The department is governed by one department head. The department is in collaboration with private sector and other universities.

Head : Assoc. Prof. Dr. Nilay ERTÜRK

Deputy Head : Asst. Prof. Dr. Esra VAROL

Deputy Head : Asst. Prof. Ece KANIŞKAN

**PROGRAM****I. SEMESTER**

MOD 103 Introduction to Design	2+2	5,0
MOD 119 Basic Art Principles I	4+3	8,0
TÜR 103 Turkish Language	4+0	4,0
<i>Departmental Elective Courses (2)</i>	-	9,0
<i>Elective Courses (1)</i>	-	2,0
<i>Foreign Language Courses (1)</i>	-	2,0
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**II. SEMESTER**

BİL 150 Fundamentals of Information Technology	4+0	5,0
MOD 112 Presentation Techniques	2+2	4,0
MOD 120 Basic Art Principles II	4+3	8,0
<i>Departmental Elective Courses (3)</i>	-	11,0
<i>Foreign Language Courses (1)</i>	-	2,0
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		30,0

**III. SEMESTER**

MOD 201 Fashion Design I	4+4	8,0
MOD 203 Pattern Application I	2+2	4,0
MOD 211 Professional Application Techniques	2+2	4,0
MOD 219 Fashion Illustration I	2+2	4,0
MOD 225 Textile Materials I	3+0	3,0
TAR 165 Atatürk's Principles and History of Turkish Revolution I	0+0	2,0
<i>Departmental Elective Courses (1)</i>	-	5,0
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		30,0

**IV. SEMESTER**

MOD 202 Fashion Design II	4+4	8,0
MOD 204 Pattern Application II	2+2	4,0
MOD 218 Fashion Production Application	2+1	3,0
MOD 220 Fashion Illustration II	2+2	5,0
MOD 226 Textile Materials II	3+0	3,0
TAR 166 Atatürk's Principles and History of Turkish Revolution II	0+0	2,0
<i>Departmental Elective Courses (1)</i>	-	5,0
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		30,0

**V. SEMESTER**

MOD 301	Computer Aided Fashion Design I	4+2	7,5
MOD 303	Fashion Design III	4+4	9,0
MOD 305	Pattern Application III	2+2	4,5
MOD 307	Fashion History I	2+0	3,0
	<i>Departmental Elective Courses (1)</i>	-	3,0
	<i>Elective Courses (1)</i>	-	3,0
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			30,0

**VII. SEMESTER**

MOD 405	Fashion Design V	4+4	9,0
MOD 409	Advanced Pattern and Draping	2+2	4,5
MOD 411	Experimental Design	3+2	6,0
	<i>Departmental Elective Courses (1)</i>	-	4,5
	<i>Elective Courses (2)</i>	-	6,0
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			30,0

**DEPARTMENTAL ELECTIVE COURSES**

EST 102	Aesthetics	2+0	3,0
FOT 201	Basic Photography	2+2	5,0
GRA 314	Graphic Design	2+2	4,5
HUK 376	Design Law	2+0	3,0
MOD 107	Drawing and Painting	2+2	5,0
MOD 113	Figure Drawing I	2+1	4,0
MOD 114	Figure Drawing II	2+1	4,0
MOD 115	Basic Sewing Techniques I	2+2	5,0
MOD 116	Basic Sewing Techniques II	2+2	5,0
MOD 118	Technical Drawing in Clothing Design	2+2	4,0
MOD 122	Basic Pattern Making	1+1	2,0
MOD 124	Clothing Culture	2+0	2,0
MOD 215	Color Theory	1+1	2,0
MOD 216	Ornamental Arts and Application	2+1	3,5
MOD 224	Ready-made Clothing Business Management	2+0	3,0
MOD 227	Introduction to Computer Aided Design I	3+2	5,0
MOD 228	Introduction to Computer Aided Design II	3+2	5,0
MOD 309	Computer Aided Pattern Design	3+2	5,0
MOD 310	Fashion Photography	2+2	4,5
MOD 312	Ready to Wear Production Methods	2+2	4,5
MOD 313	Original Practise in Composition	3+0	4,5
MOD 314	Made to Order Clothing Production Methods	2+2	4,5
MOD 317	Surface Design	3+0	4,5
MOD 318	Screen Printing	2+2	4,5
MOD 322	Textile Finishing	2+1	3,0
MOD 326	Printing Design	2+2	4,0
MOD 335	Clothing Ornamentation Techniques	3+0	4,5
MOD 403	Accessory Design	2+2	5,0
MOD 404	Shop Window Design	2+2	4,5
MOD 407	Batik	2+2	4,5

**VI. SEMESTER**

MOD 302	Computer Aided Fashion Design II	4+2	7,5
MOD 304	Fashion Design IV	4+4	9,0
MOD 306	Pattern Application IV	2+2	4,5
MOD 308	Fashion History II	2+0	3,0
	<i>Departmental Elective Courses (1)</i>	-	4,5
	<i>Elective Courses (1)</i>	-	1,5
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**VIII. SEMESTER**

MOD 402	Portfolio Design	2+2	4,5
MOD 406	Fashion Show Project	4+4	9,0
	<i>Departmental Elective Courses (3)</i>	-	13,5
	<i>Elective Courses (1)</i>	-	3,0
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			30,0

MOD 410	Costume Design for Performing Arts	2+2	4,5
MOD 412	Jewellery Design	2+2	4,0
MOD 415	Chemical and Physical Testing of Textiles	2+2	4,5
MOD 417	Environmental Fiber Art	2+2	4,0
MOD 421	Footwear Design I	2+2	4,0
MOD 422	Footwear Design II	2+2	4,0
MOD 424	Effects of Dye and Pattern on Fabrics	2+1	3,0

**ELECTIVE COURSES**

BEÖ 155	Physical Education	2+0	2,0
HUK 252	Labor Law	2+0	2,5
İLT 212	Non-Verbal Communication	3+0	3,0
İSP 151 (Spa)	Spanish I	4+0	4,0
İSP 152 (Spa)	Spanish II	4+0	4,0
İTA 255 (İta)	Italian I	3+0	4,0
İTA 256 (İta)	Italian II	3+0	4,0
KOZ 401	Cosmetic Preparations	2+0	3,0
KOZ 403	Cosmetic Preparations	2+0	3,0
KÜL 199	Cultural Activities	0+2	2,0
MOD 311 (Eng)	Occupational English	2+0	3,0
MOD 316	Effective Speech and Criticizing Thinking	1+1	1,5
MOD 319	Pattern Design	2+2	3,0
MOD 320	Interactive Pattern Design	2+2	3,0
MOD 339	History of Clothing in Anatolia	2+0	3,0
MOD 414	Fabric Design	2+0	3,0
MOD 416	Basic Textile Technics	2+0	3,0
MOD 418	Functional Textiles and Their Production Methods	2+0	3,0
MOD 420	Fabric and Colour	2+1	3,0
MOD 453	Style Consultancy	2+0	3,0
PSİ 303	Art Psychology	2+0	3,0
PZL 401	Marketing	2+0	3,0
RSM 152	Painting	2+0	4,0
SAN 155	Hall Dances	0+2	2,0

SAN 304	Contemporary Art and It's Interpretation	2+0	3,0
SNT 155	History of Art	2+0	2,0
SOS 155	Folkdance	2+0	2,0
SOS 352	Sociology of Art	2+0	3,0
THU 201	Community Services	0+2	2,0
THU 203	Community Services	0+2	3,0
TIY 153	Drama	2+0	3,0

### FOREIGN LANGUAGE COURSES

ALM 165 (Ger) German I	3+0	2,0
ALM 166 (Ger) German II	3+0	2,0
FRA 165 (Fra) French I	3+0	2,0
FRA 166 (Fra) French II	3+0	2,0
İNG 107 (Eng) Advanced English I	2+0	2,0
İNG 108 (Eng) Advanced English II	2+0	2,0
İNG 165 (Eng) English I	0+0	2,0
İNG 166 (Eng) English II	0+0	2,0

## DEPARTMENT OF INDUSTRIAL DESIGN

In globalized world, concept of Industrial design gets an important place in production, while products get importance both in function and in aesthetic by increasing competition in markets. Definition of industrial design, which is designing and making visual and functional definition of every mass produced products, emphasizes the place of this science in industrial field. In Industrial Design Department; which established in 2000; computer aided design education which is a requirement of contemporary design education, is supported by softwares which are products of latest technology. Design studios, computer laboratories and workshops supply transition from theory to application. Students graduated from Industrial Design Department get the title of INDUSTRIAL DESIGNER. They can work as freelance designers and as designers in firms and government establishments' research and development departments and also in design studios.

Head : Prof. Dr. Sevin AKSOYLU  
 Deputy Head : Lecturer Levent BURGAZLI  
 Deputy Head : Lecturer Tolga YILMAZ

### PROGRAM

#### I. SEMESTER

ENT 110	Introduction to Industrial Design	2+0	2,0
ENT 127	Basic Design Studio I	6+6	10,0
ENT 129	Design Drawing I	2+1	3,0
ENT 131	Technical Drawing of Industrial Product I	2+1	4,0
MAT 195	Calculus	3+0	3,0
TÜR 103	Turkish Language	4+0	4,0
	<i>Elective Courses (1)</i>	-	2,0
	<i>Foreign Language Courses (1)</i>	-	2,0
			<u>30,0</u>

#### II. SEMESTER

BİL 150	Fundamentals of Information Technology	4+0	5,0
ENT 118	History of Industrial Design I	2+0	3,0
ENT 128	Basic Design Studio II	6+6	11,0
ENT 130	Design Drawing II	2+1	3,0
ENT 132	Technical Drawing of Industrial Product II	2+1	3,0
FİZ 103	Physics	2+0	3,0
	<i>Foreign Language Courses (1)</i>	-	2,0
			<u>30,0</u>

#### III. SEMESTER

ENT 219	Modell Construct Technics	2+2	3,5
ENT 221	History of Industrial Design II	2+0	3,0
ENT 235	Product Design I	6+6	12,0
MEK 104	Statics Strength of Materials	3+0	4,5
MLZ 219	Material Science	2+0	3,0
TAR 165	Atatürk's Principles and History of Turkish Revolution I	0+0	2,0
	<i>Elective Courses (1)</i>	-	2,0
			<u>30,0</u>

#### IV. SEMESTER

ENT 206	Manufacturing Methods	3+0	4,0
ENT 218	Computer Aided Design I	2+1	4,0
ENT 222	Design and Communication	2+0	3,0
ENT 224	Ergonomics and Accessibility	2+0	3,0
ENT 236	Product Design II	6+6	12,0
TAR 166	Atatürk's Principles and History of Turkish Revolution II	0+0	2,0
	<i>Elective Courses (1)</i>	-	2,0
			<u>30,0</u>

**V. SEMESTER**

ENT 313	Visual Perception	2+0	3,0
ENT 323	Computer Aided Design II	2+1	4,0
ENT 331	Detail Analyses	2+0	3,0
ENT 333	Design Management	3+0	4,0
ENT 337	Product Design III	6+6	12,0
	<i>Departmental Elective Courses (1)</i>	-	4,0
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			30,0

**VII. SEMESTER**

ENT 435	Design Law	3+0	4,0
ENT 437	Professional Relations and Project Management	3+0	3,0
ENT 439	Product Design V	6+6	12,0
ENT 441	Portfolio Design I	2+2	4,0
	<i>Departmental Elective Courses (1)</i>	-	4,0
	<i>Elective Courses (1)</i>	-	3,0
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			30,0

**DEPARTMENTAL ELECTIVE COURSES**

CAM 443	Glass Techniques	2+2	4,5
ENT 314	Brand in Product Design	2+0	3,0
ENT 318	Metals in Industrial Manufacturing	2+0	4,0
ENT 319	Color	2+1	4,5
ENT 320	Furniture Design	2+1	4,0
ENT 322	Packaging Design	2+1	4,0
ENT 324	Space Design	2+1	4,0
ENT 325	Mechanisms and Machine Dynamics	2+1	4,5
ENT 327	Plastics in Production	2+1	4,5
ENT 328	Industrial Ceramic Design	2+1	4,0
ENT 329	Development of Product Quality	2+1	4,5
ENT 330	Game and Toy Design	2+1	4,0
ENT 332	Experimental Design Approaches	2+1	4,0
ENT 334	Visualization in Virtual Medium	2+1	4,0
ENT 336	Product Design for Disabled	2+0	4,0
ENT 341	Design and Solid Geometry	2+1	3,0
ENT 342	Wood Materials at Industrial Product	2+0	4,0
ENT 344	Product Design and Natural Environment	3+0	4,5
ENT 346	Cinema and Design	2+0	2,0
ENT 415	Advanced Model Making Techniques	2+2	4,5
ENT 417	City Furniture Design	2+2	4,5
ENT 418	Cost Conception Product Design	3+0	4,5
ENT 420	Quality Control in Production	3+0	4,5
ENT 421	Development of New Product	2+1	4,0
ENT 424	System Design	3+0	4,5
ENT 425	Design and Quality	2+0	4,0
ENT 427	Virtual Medium Design	2+1	4,5
ENT 429	Design and Application Criteria in Kitchens	2+1	4,5
ENT 430	Design and Motion Picture	3+0	4,5
ENT 431	Illustration	2+2	4,5

**VI. SEMESTER**

ENT 338	Product Design IV	6+6	12,0
ENT 340	Design Research	3+0	4,0
ENT 416	Verbal Communication Technics	2+0	3,0
	<i>Departmental Elective Courses (2)</i>	-	8,0
	<i>Elective Courses (1)</i>	-	3,0
			<hr/>
			30,0

**VIII. SEMESTER**

ENT 440	Product Design VI	6+6	14,0
ENT 442	Portfolio Design II	2+2	4,0
	<i>Departmental Elective Courses (3)</i>	-	12,0
			<hr/>
			30,0

ENT 432	Quality Improvement Techniques in Production	2+0	4,5
ENT 433	Design Theory	2+1	4,5
ENT 434	Media and Design	2+2	4,0
ENT 436	Design and Science	2+1	3,0
ENT 443	Visual Communication	2+1	4,0
ENT 445	Culture and Design	2+1	4,5
ENT 447	Form, Material and Function	2+2	4,0
ENT 449	Computer Aided Design III	2+1	4,0
ENT 451	Advanced Product Design	3+0	4,0
ENT 455	Data Analysis in Design Process	2+1	3,0
EST 303	Aesthetics	3+0	4,5
FOT 201	Basic Photography	2+2	5,0
FOT 304	Industrial Photography	3+0	4,0
KÜL 105	History of Culture	2+0	3,0
MOD 403	Accessory Design	2+2	5,0
MOD 404	Shop Window Design	2+2	4,5
MOD 412	Jewellery Design	2+2	4,0
TİP 301	Typography	2+1	4,5

**ELECTIVE COURSES**

ARK 105	Anatolian Civilizations	2+0	4,0
ARK 108	Archaeology	2+0	2,0
BAS 445	Techniques of Printmaking I	2+1	3,0
BAS 446	Techniques of Printmaking II	2+1	3,0
BEÖ 155	Physical Education	2+0	2,0
ENT 220	Iconographical Analysis	2+0	3,5
ENT 226	Visual Thinking and Sketching	4+0	4,0
FEL 203	Philosophy of Art I	2+0	3,0
FEL 204	Philosophy of Art II	2+0	3,0
HUK 252	Labor Law	2+0	2,5
İŞL 423	Entrepreneurship and Venture Creation	3+0	3,0
İTA 203	(İta)Occupational Italian I	2+0	2,0

İTA 204 (İta)Occupational Italian II	2+0 2,0	THU 201 Community Services	0+2 2,0
İTA 255 (İta)Italian I	3+0 4,0	TİY 153 Drama	2+0 3,0
KÜL 199 Cultural Activities	0+2 2,0		
MİT 301 Mythology	2+0 2,5	<b>FOREIGN LANGUAGE COURSES</b>	
MÜZ 151 Short History of Music	2+0 3,0	ALM 165 (Ger) German I	3+0 2,0
PSİ 303 Art Psychology	2+0 3,0	ALM 166 (Ger) German II	3+0 2,0
RSM 152 Painting	2+0 4,0	FRA 165 (Fra) French I	3+0 2,0
SAN 304 Contemporary Art and It's Interpretation	2+0 3,0	FRA 166 (Fra) French II	3+0 2,0
SNT 155 History of Art	2+0 2,0	İNG 107 (Eng) Advanced English I	2+0 2,0
SNT 340 History of European Art	2+0 2,0	İNG 108 (Eng) Advanced English II	2+0 2,0
SOS 155 Folkdance	2+0 2,0	İNG 165 (Eng) English I	0+0 2,0
SOS 309 Anthropology	2+0 3,0	İNG 166 (Eng) English II	0+0 2,0
SOS 352 Sociology of Art	2+0 3,0		
TAR 307 History of Civilization	2+0 3,0		

## DEPARTMENT OF INTERIOR DESIGN

One of the aims of civilization and contemporary culture is to create the environment where Physical and psychological needs of a human being can be answered. It is obvious that requirements and expectations of contemporary human being will be provided by the developing technology. As a result, Department of Interior Design was founded in the year of 1991 in order to give a contemporary and creative interior design education. Programs have been organized for this aim practical, theoretical, conceptual courses related to each other are thought as a whole. In Interior Design Project and Furniture Design courses include analyses and solutions of different design problems and conceptual projects. These courses provide a creative discussion atmosphere and motivate students to participate.

Head : Prof. Dr. Meral NALÇAKAN

### PROGRAM

I. SEMESTER		II. SEMESTER	
BİL 150 Fundamentals of Information Technology	4+0 5,0	İÇT 110 Introduction to Design of Space	2+3 5,0
İÇT 103 Sketching in Design	2+0 3,0	İÇT 205 Ergonomics	2+0 3,0
İÇT 109 Introduction to Interior Design	2+0 3,0	SAN 102 Basic Design II	3+6 8,0
SAN 101 Basic Design I	3+6 8,0	TÜR 152 Turkish Language II	2+0 2,0
TRS 107 Technical Drawing	3+3 6,0	<i>Departmental Elective Courses (2)</i>	- 7,0
TÜR 151 Turkish Language I	2+0 2,0	<i>Elective Courses (1)</i>	- 2,0
<i>Foreign Language Courses (1)</i>	- 3,0	<i>Foreign Language Courses (1)</i>	- 3,0
	30,0		30,0
III. SEMESTER		IV. SEMESTER	
İÇT 201 Interior Design Project I	4+4 10,0	İÇT 202 Interior Design Project II	4+4 10,0
İÇT 209 Space and Imagination	2+0 3,0	İÇT 214 Introduction to Furniture Design	2+0 3,0
İÇT 215 Structural Materials	2+0 3,0	İÇT 218 Construction II	2+0 3,0
İÇT 217 Construction I	2+0 3,0	İÇT 302 Histories of Interior Design and Furniture II	2+0 3,0
İÇT 301 Histories of Interior Design and Furniture I	2+0 3,0	SNT 252 History of Art II	2+0 3,0
SNT 251 History of Art I	2+0 3,0	TAR 166 Atatürk's Principles and History of Turkish Revolution II	0+0 2,0
TAR 165 Atatürk's Principles and History of Turkish Revolution I	0+0 2,0	<i>Departmental Elective Courses (2)</i>	- 6,0
<i>Departmental Elective Courses (1)</i>	- 3,0		
	30,0		30,0



<b>V. SEMESTER</b>			
BİL 385	Computer Aided Design (CAD) I	2+2	4,5
İÇT 303	Interior Design Project III	4+4	9,0
İÇT 317	Furniture 1	2+1	4,5
İÇT 326	Physical Environment Control I	2+0	3,0
	<i>Departmental Elective Courses (3)</i>	-	9,0
			30,0

<b>VII. SEMESTER</b>			
ENT 423	Design Law	2+0	2,5
İÇT 403	Interior Design Project V	4+4	9,5
İÇT 425	Survey Drawing and Restoration	2+2	4,5
İÇT 431	Professional Practice	2+1	4,5
	<i>Departmental Elective Courses (2)</i>	-	6,0
	<i>Elective Courses (1)</i>	-	3,0
			30,0

#### **DEPARTMENTAL ELECTIVE COURSES**

BİL 391	Computer Aided Design (CAD) II	2+1	3,0
İÇT 106	Visual Communication Techniques	2+1	3,0
İÇT 112	Sketching and Design Drawing	2+1	4,0
İÇT 307	Furniture Construction	2+1	3,0
İÇT 315	Colors and Textile in Interiors	2+0	3,0
İÇT 316	Landscape	2+0	3,0
İÇT 319	Model Building Techniques	2+1	3,0
İÇT 320	Mythology And Space	2+0	3,0
İÇT 321	Structural Systems of Buildings	2+0	3,0
İÇT 323	Design and Culture	2+0	3,0
İÇT 324	Elements and Materials in Interior Design	2+0	3,0
İÇT 325	Advanced Presentation Techniques	2+0	3,0
İÇT 327	Design Principles of the Kitchen	2+0	3,0
İÇT 328	Formation of Interiors at Anatolia's Settlement in Antiquity	2+0	3,0
İÇT 329	Design and Application Criteria in Baths	2+0	3,0
İÇT 330	Play and the Plaything	2+0	3,0
İÇT 331	Computer Animation for Interior Design	2+0	3,0
İÇT 332	Exhibition and Exhibition Space Design	2+0	3,0
İÇT 334	Computer Aided Manufacturing	2+0	3,0
İÇT 406	Space Analyzing in Interior Design	2+0	3,0
İÇT 409	Illustration of Interiors	2+0	3,0
İÇT 413	Principles of Lighting Design in Different Spaces	2+0	3,0
İÇT 414	Socio-cultural Effects on Furniture Design	2+0	3,0
İÇT 417	User-Furniture Interrelation in Interiors	2+0	3,0
İÇT 419	Space in Traditional Turkish House	2+0	3,0
İÇT 421	Corporate Identity and Commercial Spaces	2+0	3,0
İÇT 422	Creative Thought and Design	2+0	3,0

<b>VI. SEMESTER</b>			
İÇT 304	Interior Design Project IV	4+4	10,0
İÇT 318	Furniture II	2+1	5,0
İÇT 427	Physical Environment Control II	2+0	3,0
SNT 351	History of Turkish Art	2+0	3,0
	<i>Departmental Elective Courses (3)</i>	-	9,0
			30,0

<b>VIII. SEMESTER</b>			
İÇT 404	Interior Design Project VI	4+4	12,0
	<i>Departmental Elective Courses (4)</i>	-	12,0
	<i>Elective Courses (2)</i>	-	6,0
			30,0

İÇT 423	Creativeness Methods	2+0	3,0
İÇT 424	Methods of Portfolio Presentation	2+0	3,0
İÇT 428	Space-Boundary Relations	2+0	3,0
İÇT 429	New Expansion at the Design	2+0	3,0
İÇT 432	Spatial Configuration of Ottoman Kulliye's & Mosques	2+0	3,0
İÇT 436	Verbal Communication	2+0	3,0
İÇT 439	Child As a User in Space and Furniture Design	2+0	3,0
İÇT 441	Contemporary Approaches on Museum Design	2+0	3,0
İÇT 443	Experimental Space Design	2+0	3,0
İÇT 445	Computer Animation for Interior Design	1+1	3,0
İÇT 454	Design Criteria for the Disabled	2+0	3,0
PPT 112	Perspective	1+2	4,0
SAN 113	Art Concepts	2+0	3,0

#### **ELECTIVE COURSES**

BAS 445	Techniques of Printmaking I	2+1	3,0
BAS 446	Techniques of Printmaking II	2+1	3,0
BEÖ 155	Physical Education	2+0	2,0
EST 405	Aesthetics	2+0	3,0
İÇT 438	Cyberspace Design	2+0	3,0
İNG 455 (Eng)	Text Analysis in English	2+0	3,0
KÜL 105	History of Culture	2+0	3,0
KÜL 199	Cultural Activities	0+2	2,0
MİT 301	Mythology	2+0	2,5
MİT 304	Mythology and Iconography	2+0	3,0
MÜZ 151	Short History of Music	2+0	3,0
PSİ 303	Art Psychology	2+0	3,0
SAN 155	Hall Dances	0+2	2,0
SOS 155	Folkdance	2+0	2,0
SOS 352	Sociology of Art	2+0	3,0
THU 203	Community Services	0+2	3,0
TİY 121	Introduction to Theatre	2+0	3,0

TY 308 Republic Era Turkish Theatre 2+0 3,0

ING 110 (Eng) Advanced English II 3+0 3,0

ING 151 (Eng) English I 3+0 3,0

ING 152 (Eng) English II 3+0 3,0

### FOREIGN LANGUAGE COURSES

ING 109 (Eng) Advanced English I 3+0 3,0

## COURSE CONTENTS

### ALM 165 German I 3+0 2,0

Greeting and Saying Goodbye; Introducing Yourself and Others; Giving Personal Information About Yourself; Spelling a Word; Counting up to 100; Communicating in Private Life; Telling Profession; Talking About Occupation and Business; Expressing a Problem; Introducing Family; Telling the Time; Planning Events; Making an Appointment; Saying the Names of Foods; Reading the Menu; Ordering in the restaurant; Shopping at the Market; Making A Complaint; Saying the Names of Vehicles; Asking for Address; Understanding Directions; Talking about the Illness; Reading and Writing Dates; Replying to an Invitation; Making Holiday Plans; Understanding and Talking About the Weather Forecast.

### ALM 166 German II 3+0 2,0

Giving Feedback; Making A Suggestion; Asking Questions; Expressing Ideas; Expressing Requests and Fears; Understanding Signs; Giving Directions; Talking about Sports; Reading and Understanding Newspapers; Ordering by Telephone; Preferring a Profession; Talking about Professions; Making a Complaint; Intercultural Communication; Comprehending Instructions for Use; Making Weather Forecast; Reading Literary Texts; Celebrating; Comprehending and Giving Recipe; Identify Things; Comprehending Adventure Stories and Movies.

### ALM 255 German I 3+0 4,0

Greeting Friends; Asking for Someone's Health; Asking for Directions; Asking Where People are From; Making Requests; Asking for Prices; asking for Prices; Asking for Different Kinds of Food and Drink; Formal Sentences Used in Restaurants and Formal Places; Asking For and Telling People about Preferences; Likes and Dislikes; Asking for the Amount of Something and Telling the Amount of Something; Structures Used in Telephone Conversations; Using Appropriate Grammar Forms for the Given Situations.

### ALM 256 German II 3+0 4,0

Modal verbs: Können, Müssen, Wollen, Dürfen, Sollen, Mögen; Tenses: Simple Present Tense, Future Tense; Nouns and Types of Nouns; Articles; Singular and Plural Forms: Words that are used as Singular or Plural only, Plural Form of the Indefinite Article; Cases of a Noun: Uninflected Case, Accusative, Dative, Possessive Cases; Exercises about these Grammar Points.

### ALM 357 German III 3+0 4,0

Expressing a Request; Expressing Regret; Accusing Someone and Apologizing, Describing People, Asking about Someone's Health; Serious Illnesses and Learning about Human Body; Getting Surprised; Responding in Misunderstandings; Explaining Someone Something;

Requesting Something from Somebody; Giving Opinions about Furniture; Expressing Opinions about Pictures, Clothes and People; Using Appropriate Grammar Forms for the Given Situations.

### ARK 105 Anatolian Civilizations 2+0 4,0

Review of Anatolian Civilizations; Paleolithic Age: Caves and hunters; Mesolithic Age; Neolithic Age: Villages; Chalcolithic Age: Organized villages; Early Bronze Age: Fortresses and chiefs; Middle Bronze Age: Princes and merchants; Late Bronze Age: The Hittite Empire; Iron Age: Neo ? Hittite States, Urartian Kingdom, Phrygian Kingdom, Lydian Kingdom; Persian Hegemony over Anatolia; The Hellenistic Age: Alexander the Great and his successors; Roman Age: Asian Province.

### ARK 108 Archaeology 2+0 2,0

Definition; Social, cultural and historical role of archaeology; Domain of Archaeology; Age of the World; Production of the Earliest Stone Tools; Scientific Disciplines Revenant to Archaeological Studies; Brief History of Archaeological Excavations; Historical Classification and History of Anatolia: Prehistoric Ages, Historical Ages, Archaeological sites of Anatolia, Archaeological excavations in Anatolia; Archaeological Activities of University.

### BAS 445 Techniques of Printmaking I 2+1 3,0

Printmaking: Definition of Printmaking; History of Printmaking; Examination of Famous Turkish And Foreign Printmaking Artists and their Work; Techniques of Printmaking: Monotype, Material print; Template print, Negative of template printing; Monochrome And Polychrome Printing With Natural And Industrial Materials; Using Template Techniques of Printmaking With One And Two Mould; Monochrome And Multi Colors Printing; Preparing The Black-White (With Black Ink And Pencil) Composition; Study of Either Nature, Interior Or Objects And Applications; Transferring These Compositions On Mould And Printing: Registration, Signature And evaluation, Framing the work.

### BAS 446 Techniques of Printmaking II 2+1 3,0

Intaglio Techniques: Wood and linoleum printing, Preparing the black-white (with black ink and pencil) composition on study either nature, interior or object and applications for Linoleum printing, Multi color printing with one mould linoleum printing; Defining the technical characteristics of Wood mould and tools; Methods of Relief Print; Preparing the Paper for Printing; Serial Prints; Post-printing; Registration; Signature and Evaluation; Multi Color Printing Techniques With Single Wood Mould: Preparing the colored composition and the colored mould; Printing Process.

**BEÖ 155 Physical Education 2+0 2,0**

Definition of Physical Education and Sports; Aims, Disadvantages of Inactive Life; Various Activities for Physical Education; Recreation; Human Physiology; First Aid; Sports Branches: Definition, Rules and Application; Keep Fit Programs.

**BİL 150 Fundamentals of Information Technology 4+0 5,0**

Introduction to Computer: History of Computer; Operating Systems: Introduction to operating systems; Office Software-Word Processors and Document Systems: General Characteristics of the Office Software; Office-Software-Spreadsheets Programs: Spreadsheets Programs; Office Software-Presentation Programs: Presentation Programs; E Mail-Personal Communication Management: General Characteristics of the E Mailing System; Effective use of the Internet and Internet Security; Network Technologies. Computer Hardware and Error Detection: Types of Computers; Social Networks and Social Media: Social Media and Introduction to Social Media; Special Application Software: Multimedia; Law and Ethics of Informatics: Intellectual Property and Informatics Law; E-Learning: Developments in E-Learning; E-Government Applications; Computer and Network Security; Latest Strategic Technologies of Informatics: Factors Affecting Technological Developments.

**BİL 263 Computer Aided Design I 2+0 3,0**

Two Dimensional Drawing; Description of the System; Hardware And Software; Windows Operating Systems For Personal Computers: File and cluster, Organization, Two dimensional drawing commands, Layers, Object snap, Drawing limits, Block and wblock, Insert, Hatch and styles, Text and styles, Modify, View and format commands.

**BİL 264 Computer Aided Design II 2+0 3,0**

Three Dimensional Drawing and Modeling: Description of the system; Computer Aided Modeling Techniques: Wire frame, Surface modeling, Solid modeling, Elevation and thickness; Coordinate Systems: World and user coordinate system; View Commands for 3D Computer Aided Models: Perspective, Render shade and hide, Plot.

**BİL 367 Computer Aided Design III 3+0 4,5**

Professional-Level Modeling; CAD-Based Architectural Programs; Rendering and Animation Tools; 2 d Shaper; 3 d Loft; 3 d Editor; Materials; Keyframer; Path Animation; Special Icons.

**BİL 385 Computer Aided Design (CAD) I 2+2 4,5**

Introduction to CAD in Interior Design; Using the Drawing Editor in Designs; Setting Up an Electronic Drawing and its Coordinate System; Setting Up Graphics Display: Layer, Line type, Color; Editing Objects: Hatching, Text, Dimensioning; Creating Own Object Library; Setting Viewpoints; Getting Started with 3D; Working with 3d Faces; Working with 3d Solids; Rendering; Print Out: Set up print out commands, Print preview

**BİL 391 Computer Aided Design (CAD) II 2+1 3,0**

Using the Developed Modeling Techniques in Computer Aided Design: Standard primitives, Extended primitives, Compound objects; Using Modifiers in Developed Modeling Techniques; The Principles of Light and Color in Computer Aided Design; The Principles of Material Mapping; Setting Light and Camera; Rendering Techniques in Computer Aided Design.

**CAM 443 Glass Techniques 2+2 4,5**

General Information About Glass Techniques: Pate De Verre, Fusing, Slumping, Cold-Hot Glass Blowing, Cold Glass Processing: Free Hand Cutting; Plate Design and Measurement; Fusing and Slumping Mold Practices With Two and Multi-layered Plates; Construction of Bead; Getting into Open Flame; Separations; Rod Wrapping; Artistic and Mold Shaping on the Rod; Coloration; Importance of Cooling; Design and Construction of Eye Bead.

**ENT 110 Introduction to Industrial Design 2+0 2,0**

What is Design; Definitions of Product; Mass Production and Industrial Products; What is Industrial Design? ; A Brief History of Industrial Design; Design Product Relationship: Product user relationship; Product Society Relationship, Product-Culture Relationship; Design Process.

**ENT 118 History of Industrial Design I 2+0 3,0**

Crafts and Gothic Production; Division of Labour and Its Effects; Industrial Revolution and Its Effects on Labour; Effects of Industrial Revolution on Production, Consumption and Daily Life; Mass Production and Aesthetic Degeneration; 1851 Great Exhibition; Responses to Industrial Production: Arts&Crafts in Great Britain; Art and Design in the Beginning of the 20th Century in France: Art Nouveau; Vienna Secession; Deutcher Werkbund; Adolf Loos and Ornament; Avantgardes and Machine Aesthetics; Bauhaus and the Idea of Modernist Design.

**ENT 127 Basic Design Studio I 6+6 10,0**

Introduction to Basic Design: Description of design elements and design principles; Concept; Harmony; Contrast; Balance; Figure and Ground Relationship; Composition; Texture; Movement; Human Figure and Scale; Visual Perception and Illusion: Gestalt, Visual design; Abstraction; Metamorphosis; Deduction and Conceptualization; Two-Dimensional Visual Works: Compositions with black and white visual elements, Compositions with basic geometrical elements, Shallow relief; Introduction to Three Dimensional Compositions.

**ENT 128 Basic Design Studio II 6+6 11,0**

Creative Thinking Techniques: Brainstorming, Visual storming, Brain mapping, Visual archive; Structure: Space and Form, Structure-composition relationship, Design with linear elements; Three Dimensional Form; Geometrical Analysis; System: Basic system design; Space and Form Relationship: Cubic works: Generative thinking on a notion or a concept; Installation Projects: Generative thinking on a chosen concept; Material and Form Relationship; Human Dimensions and Form Relationship; Object Design.

**ENT 129 Design Drawing I 2+1 3,0**

Linear Definition of Basic Forms: Various object drawings; Composition: Composition elements, Measurements and scale; Placements; Perspective: One vanishing point perspective, Two vanishing point perspective; Light and Shadow: Black and white works, Monochromatic works; Color: Color pencils, Markers, Pastels; Materials and Material Renderings: Basic materials: Wood, Plastics, Glass, Metals.

**ENT 130 Design Drawing II 2+1 3,0**

Generative Drawing: Object and volume relationship; Design Drawing: Form and design relationship; Geometric Expression; Abstraction and Deformation; Live Model Drawing: Short time drawings; Linear Abstraction; Detailed Drawings; Contrast and Balance; Detail Studies: Details in industrial design, Exploded drawings, Sectioning, Ghosted drawings; Personal Style Works; Experimenting with New Materials.

**ENT 131 Technical Drawing of Industrial Product I 2+1 4,0**

Technical Drawing of Industrial Products with the Cooperation of Designer and Producer; Making Three Dimensional Drawings of Industrial Products by Using Technical Drawing Rules and Standards; Line Types and Use of Lines in Technical Drawing; Simple Industrial Product Drawings; Types of Perspective; Visualization of Technical Drawing Drafts.

**ENT 132 Technical Drawing of Industrial Product II 2+1 3,0**

Technical Drawing of Industrial Products with the Cooperation of Designer and Producer; Using Various Techniques for Drawing Three- or Two-Dimensional Industrial Products; Drawing the Details of an Industrial Product; Section: Section types, Sectioning, Defining section lines; Drawing Techniques for Materials; Basic Drawing Techniques Convenient for Basic Production Methods; Sectioning from Perspective; Technical Analysis of A Product, Mock-up Practices with Detail Drawings.

**ENT 206 Manufacturing Methods 3+0 4,0**

Concept of Manufacturing Techniques; Rise and Development of Manufacturing Processes: Casting, Soldering, Welding, Forging, Rolling, Pulling, Powder metallurgy, Panel materials; Shaping Techniques and Testing; Choice Criteria of Shaping Techniques; Effects of Manufacturing Techniques on Design and Cost; Selection of Manufacturing Techniques Based on the Product; Manufacturing Techniques and Design.

**ENT 218 Computer Aided Design I 2+1 4,0**

Basic Concepts, Interfaces, Software Nurbs Processes: Curve, Transactions in 2 Dimensional Spaces; Two Dimensional Model for Consolidation and Deformation, Surface Modeling, 3D Solid Modeling, Mesh Modeling; Dimensioning; Using Layer; Visualization and Light; Material Formation and Surface Mapping; Visualization and Presentation Techniques.

**ENT 219 Modell Construct Technics 2+2 3,5**

Basic Production Types; Ground Product Types; Methods and Techniques; Model Materials, Three Dimensional Measuring, Hand Tools in Model Making; Machines in Model Making, Experimenting Model Making; Techniques used in the Making of Presentation Models.

**ENT 220 Iconographical Analysis 2+0 3,5**

Meaning of the Subjects in Paintings; Description and Explanation of E. Panofsky's Iconographic Analysis; Evaluation of Basic Sources in Different Periods of Byzantine Art and European Paintings and Sculptures; Iconographic Analysis of Paintings and Sculptures Based on their Original Sources; Analysis of Old Testament Expressed in Paintings and Sculpture; Genesis in Old Testament, Prophets of Old Testament: Adam, Abraham, Moses and their Life Stories; The Bible; Virgin Mary, John the Baptist; Life of Christ; Analysis of these Subjects as Expressed in Paintings and Sculptures; Analysis of the Differences of Expression in Works of Art Based on Religious Themes in Different Periods of Time.

**ENT 221 History of Industrial Design II 2+0 3,0**

Introduction; Summary and Overview of History of Industrial Design I; Rationalism and Universalism: Le Corbusier; Degenerated Moderns: Art Deco; Speed and Development: Streamlining; Body and Design: Rise of Ergonomics; Consumerism and Affluence Society; Late Capitalism, Pop-art and Pop-design; Postmodernism and Design; Ergonomics of Emotions: Design and emotions; A Summary of History of Industrial Design: Tendencies, Ruptures.

**ENT 222 Design and Communication 2+0 3,0**

Communication: Definition of Communication, Elements of Communication; Design Context Before and After the Industrial Revolution and 'Need' in Industrial Design; Human-Product Communication Analysis; Human-Product Interface and Ergonomics; Ergonomic Elements in Human-Product Interface; Communicational Criteria in Industrial Design; Perceptual and Expressive Criteria in Industrial Design; Socio-Cultural Criteria in Industrial Design; Product Design and Semiotics by Means of Meaning and Expression.

**ENT 224 Ergonomics and Accessibility 2+0 3,0**

Basic Concepts: Ergonomics, Anatomy, Physiology, Anthropometry; Using Dimensions and Data Concerning Human; The Relationship Between Human and Environment; Analyzing Physical Human Activities; Human Needs According to the Environment; Analyzing the Physical Activities Driven by Need; Needs of Children, the Elderly and the Disabled: Dimensional and measurement requirements of environment and environmental supplies; Accessibility: Accessible transportation, City implementations, Campus, Classes.

**ENT 226 Visual Thinking and Sketching 4+0 4,0**

Visual Thinking: Methods of visual thinking, Sources of inspiration, Story boards, Mood boards, Visual storming, Thumbnail sketches; Basic Drawing Theory: Form, Volume, Shade and Shadow, Colour; What is Sketching: Types of

sketches, Idea sketches, Explanatory sketches, Explorative sketches, Persuasive sketches, Coded sketches, Layouts, Prescriptive sketches, Mechanism sketches, Assembly sketches, Mock-ups; Computer Aided Sketching: Tools, Software, 3-D sketches; Sketching and Design Process; Sketching and Visual Research: Sketchbook, Designers Journal; Sketching as an Exploration Tool; Sketching as a Communication Tool.

**ENT 235 Product Design I 6+6 12,0**

Practicing Basic Design Principles and Concepts by Project Extension: Balance, Color, Volume, Full Empty, Surface; Studying Usability Concepts; Easily Used Objects; Examining Products: Forming a Concept; Sketch, Presentation, Teaching Manufacturing Techniques by the Project Extension; Introduction to Small Scale Product Design; Practicing Project: Determining design criteria, Evaluation and Critique in the studio environment, Evaluation in the seminars and by juries.

**ENT 236 Product Design II 6+6 12,0**

User Product Relation in Product Design; User Criteria: Ergonomic data, Cost; Client's Taste; Customer Profile; Target Market; Material Use; Material Product Harmony; Material User Relation; Practicing Projects: Determining design criteria, Evaluation and Critique in the studio environment, Evaluation in the seminars and by juries.

**ENT 313 Visual Perception 2+0 3,0**

Perception and Visualization: Brief history, Senses and Perception; Sight: Human eye, Seeing and comparison with other creatures; Light: Effect of light on seeing, Role of light on seeing and perception, Seeing and Culture; Color and Perception of Colors: Perceiving the third Dimension, Perceiving the third dimension on two dimensional plane; Perception and Perspective; Perception: Cultural and environmental factors influencing perception, Optical illusions; Differences in Perception: Individual differences in perception; Categorization in Perception: Selective Perception; Perceiving Forms; Illusion: Illusion and reality.

**ENT 314 Brand in Product Design 2+0 3,0**

Corporate Identity; Product Identity; Concept of Brand; Brand in Local and Global Concept; Market Research; Local and Global Marketing Conditions; Recollection of Brand; Perception of Brand; Product and Marketing Strategies; Product and Advertising; Perception of Product.

**ENT 318 Metals in Industrial Manufacturing 2+0 4,0**

Types of Metals in Industrial Manufacturing; Ferrous Metals, Alloys, Aluminum and its alloys; Surface Hardening; Metal Processing Methods: Forging, Casting, Pressing, Plastering; Assembling Methods: Welding, Riveting, Curling; Types of Welding: Electrode welding, Argon welding, Tack welding; Types of Riveting; Finishing Process; Recycling of Metals.

**ENT 319 Color 2+1 4,5**

Definition of Color And Its Features; Kinds of Color And Strength of Color; Light and Material Relations of Color; Color Combinations; Basic Colors; Theoretical and Practical

Expressions of Secondary Colors; Harmony of Color and its Psychological Affects; Characteristics of Color; Light-Shadow, Color-Light Relations; Practising Effects of Color in Design; Color Analyses and Importance of Product-Color Relation in Industrial Design; Color from Designer's and User's Point of View.

**ENT 320 Furniture Design 2+1 4,0**

Concepts of Furniture Design: Design process, Determining design requirements, Psychological factors, Cultural factors; Approaches; Product Design: Existing Models, Criticism; Introduction to Design, Feedback, Modeling, Model criticism, Prototype, Relation to vision, color and shape, Developing a Model; Production methods; Probabilities; System analysis; Technical problems; Problem solving; Marketing.

**ENT 322 Packaging Design 2+1 4,0**

Simple Packaging Practices: Label, Form, Material selection and relations; Material Introductions; Ergonomics in Package Design; Industrial Packaging Techniques; Functional Packaging Techniques; Alternative Material Selection: Glass, Plastic, Wooden boxes; Sector Factors; Package and Color; Psychology and Color Relation; Color and Target Market Relation.

**ENT 323 Computer Aided Design II 2+1 4,0**

Notion of Computer Aided Design and Production; Process of Computer Aided Design and Software; Interfaces of Software; Infrastructure; Integration of Software Versions; Sketcher and Sketch modeling- Dimensional and Geometrical Bases; Introduction to Part Design; Part Design; Basics of Solid Modeling; Wire Frame and Surface; Hybrid Modeling; Assembly Design; Assembly of Basic Components; Generative Drafting; 3D-2D Technical Drawing; Sections and Assistant Drawing; Interactive Drawing; Technical presentations; Render and Photorealistic Visualization.

**ENT 324 Space Design 2+1 4,0**

Introduction to Space Design; Space Concept; Discussion of Elements that Create Space; Creating Space: Analyzing; Programming; Making Decisions About Design; Evaluation of Concepts; Preliminary Steps in Planning; 2D and 3D Sketches; Designing Space; Research of Materials and Elements in Space; Color; Lighting; Textile; Furniture and Accessories in Designed Space; Technical Matters in Designed Space and Specifications.

**ENT 325 Mechanisms and Machine Dynamics 2+1 4,5**

The Concept of Mechanism and Machine; Transmission of Motion, Degree of Freedom; Four-Bar Linkages; Position Analysis; Slider-Crank Mechanism; Balance of Rotors and Mechanical Vibrations; Cams, Internal Combustion Engines; Gear Mechanisms; Constant-Velocity Universal Joints and Application.

**ENT 327 Plastics in Production 2+1 4,5**

General Properties; Macromolecular Structure of Polymers; Thermoplastics; Thermo sets; Mechanical Behavior of

Polymers; Extrusion; Mixing; Injection Molding; Secondary Shaping, Blow Molding, Film and Fiber Production.

**ENT 328 Industrial Ceramic Design 2+1 4,0**

Industrial Designs: Purpose of design and the fundamentals; Form; Function; Ergonomics; Reducibility; Preparing Plaster Model; Mold shaping; Plaster and Molding Materials; Preparing a Model; Patterning in Lathe; Hand-made Molds; One-piece Molds; Multiple Piece Molds and Double Sided Molds; Industrial Ceramic Design; Sketching; Technical Drawing of a Model in Proportion; Plaster Model and Mold Preparation; Clay Casting: Detailing, Biscuit, Glaze and Decorative Firing; Photography; Portfolio and Presentation; Evaluation; Model Presentation and Evaluation; Cleaning and Polishing.

**ENT 329 Development of Product Quality 2+1 4,5**

Quality And Product Concepts; Product In Business Strategy; Product Development Process; ISO 9000 Quality Systems; Total Design Activity; Market And Customer Requirements And Demand; Design Requirements; Conceptual Design; Detailed Designs; Process Designs; Concurrent Engineering And Design.

**ENT 330 Game and Toy Design 2+1 4,0**

Game - toy Relationship; Basic Principles of Toy Design; Effects of Toys on Children; Design Applications.

**ENT 331 Detail Analyses 2+0 3,0**

Analyzing System Approaches in Industrial Products and Resolving Technicality Problems in Design Process: Mechanical, Hydraulic, Pneumatic, Magnetic, Electric / Electronics etc. Systems; Recognizing these Systems; Explaining Systematic Properties of Structures; Identifying Technical Details of the System; Interpreting the Structure of the System of Industrial Products in General; Making Technical Comments on the Systematic Review of the Structure; Preparing Technical Detailed Draft Drawings; Analyzing Details of Complex Systems; Distinguishing Implemented Systems in a Product; Criticizing Implemented Systems in a Product; Comparison of the Features of Similar Products; Questioning the Technicalities of the System.

**ENT 332 Experimental Design Approaches 2+1 4,0**

Innovation and Experimental Design; Unique, Intuition Design Projects Free of Market and Shopping Concerns Seeking Solutions to Daily Problems; Objects Continuously Changing Shape or Form; Motion; Concepts without Reference to any Object; Metamorphose; Body Extension Tools; Associating between Tool and External Environment; Indefinite Imaginary Constructions and Scenarios.

**ENT 333 Design Management 3+0 4,0**

Design as a Managed Process; Design Concept and Design Strategy; What is Creativity; Design and Innovation? What is the Relationship between them? Design Management and its Effects to Business Strategy; Design and Marketing and their Relationship; Design to Manufacture and the Evaluation of Product Development Process; The Effects of Culture to Design; Design Tools and Creating Design Futures.

**ENT 334 Visualization in Virtual Medium 2+1 4,0**

Transferring 3D Models to Other Programs; Formats of 3D Models: 3ds; dxf; iges; lwo; obj; Light and Shadow in Virtual Medium; Types of Light: Key light; Fill-in light; Backlight; Types of Lightening Elements in Virtual Medium: Point light, Spotlight, Linear light; Area light; Depth of Field: Lens angle, Aperture value; Principles of Basic Animation and Applications.

**ENT 336 Product Design for Disabled 2+0 4,0**

Design and Accessibility for All; Built Environments and Benefactors; Disabled Persons Law in Terms of Accessibility and Design; Accessibility and Usability in Built Environments; International and National Norms and Standards for the Accessibility; Anthropometrics; Housing; Heights of Fixtures and Fittings; Horizontal and Vertical Circulation; Sanitary Facilities; Accessibility of Outdoor Spaces: Roads, Pavements, Car parks, Urban furniture; Application and Problems in Universal Design; Disabled and Legal Conditions.

**ENT 337 Product Design III 6+6 12,0**

Relationship between Product and Manufacturing Techniques; Cost; Material Selection; Relationship between Material and Manufacturing Techniques; Manufacturing Techniques: Mould, Injection, Cast, Shaving Production; Selection of Materials: Plastic, Metal, Timber etc; Project Applications: Determining design criteria; Evaluation in Studio; Evaluation by Seminars and Juries.

**ENT 338 Product Design IV 6+6 12,0**

Product Identity in Design; Corporate Identity; Concept of System Design; Improving Individual Design Methods; Designing Consumption Objects; Improving Manufacturing Techniques; Project Applications: Determining design criteria; Evaluation in Studio; Evaluation by Seminars and Juries.

**ENT 340 Design Research 3+0 4,0**

New Product Development; Decision Processes; Demand Analysis; Product and Manufacturability Concept: Design; Production and Management Relations: Real Time; Simultaneous Design; Reverse Engineering; Product Oriented Research and Product Development Strategies; User Oriented Research and Product Development Strategies; Company Oriented Research and Product Development Strategies; Observation and Assessment Methods.

**ENT 341 Design and Solid Geometry 2+1 3,0**

Concept of Solid Geometry; An Overview of the Concept of Dimension, Space and Time; Basic concepts such as Space, Volume, Packing/Coating, Plane Design: Examination of aesthetic and analytical effects of these concepts and definitions on product design processes, Analysis of the application of these concepts to today's product designs on the basis of selected examples, Exercises based on the evaluation results obtained.

**ENT 342 Wood Materials at Industrial Product 2+0 4,0**  
Wood Materials Production Technologies: History of Wood Production; Wood Materials; Semi-finished Wood Materials; Wood Production Machines ( NC-CNC ); Wood Production Process: Solid wood production, Panel production; Wood Product Design; Factors Effecting Wood Production Design; Company Policies; Marketing Opportunities; Product Properties and Production Possibilities; Ergonomics in Wood Materials; Quality and Control Techniques for Wood Products.

**ENT 344 Product Design and Natural Environment 3+0 4,5**  
Definition of Environment: Natural Environment; Artificial Environment; Elements of Human Environment; History of Environmental Protection: Organizations; Conferences; Types of Pollution: Air pollution, Water pollution, Land pollution, Noise pollution; Alternative Energy Sources; Production and Pollution; Product and Pollution; Life Cycle of Products and Environment; Life Cycle Assessment of a Product; Energy and Environment; Reducing Environmental Impacts of Products: Reducing environmental impact of production process; Reducing Environmental Impacts of Usage Process; Recycle and Reusability of Products.

**ENT 346 Cinema and Design 2+0 2,0**  
Cinema: Subjects of the cinema, Cinema industry: Cinema Today, Design elements and technical properties. Cinema and Design: The main elements of film design; Subject: Subjects of the films; Scenario: Designing the scenario; Light: Lighting design; Artistic setup: Relationship between cinema and location, Period films and design; Costume: Designing costumes for the cinema; Make-up: Make-up and cinema;. Music: Film music; Acting: Preparing the act for the film; Shooting: Designing the shots, Shooting angles and scales; Animation: Cartoons, Puppet films; Post-Production: Designing the montage, Designing the sound recording, Show: Designing the Show.

**ENT 415 Advanced Model Making Techniques 2+2 4,5**  
Three Dimensional Measuring and Measurement; Testing Measures; Product Form and Model Material Relations; Model Material Limits; Modeling Moving Details; Advanced Processing of Model Materials: Welding, Lathe, Band, Saw; Practicing Learned Model Making Techniques in Advanced Level.

**ENT 416 Verbal Communication Technics 2+0 3,0**  
Features of bodily expression tools and styles in human relationships; Elements that Form Bodily Expression: face and head, Eyes, Hands and arms, Feet and legs, Torso, Voice and speech; Body's Relation to space; Body's Relation to Objects; Body's Relation to Other Bodys; Observation Analysis: Observing a body, observing a group; Discipline of Emotions and Feelings; Body Usage in specific Conditions and Practices for Body Discipline: Mimics, gesture, Body positions, Relationship with objects, Voice and speech, Discipline of feelings ano emotions, Practices with a partner.

**ENT 417 City Furniture Design 2+2 4,5**  
Urban Places: Open Place, Street, Main Road, Open Market Places, Auto park, Bus stop; Outdoor Human Actions: Human actions and equipment used in these actions; Equipment Examples: Seating units, Benches, Wastebaskets, WC, ATM cabinets, Bus-tramway stops; Determining Traditional, Functional, Aesthetical Problems of Products; Analyzing; Getting Information to Facilitate Product Design; Improving Information to be Used in Design and Synthesis.

**ENT 418 Cost Conception Product Design 3+0 4,5**  
Cost Concept: Description, Types; Relations of Between Short and Long Term Cost Concept; Total, Average and Marginal Cost; Cost Analyse of New Designed Products, Demand, Supply, Pricing, Income and Return Concepts.

**ENT 420 Quality Control in Production 3+0 4,5**  
Evolution of Quality Design And Control; Conceptual Framework of Quality Design And Control; Quality And Philosophy of Deming; Process Management; Statistical Process Control; Control Charts And Types; Explanation of Control Charts; Robust Design.

**ENT 421 Development of New Product 2+1 4,0**  
Identification o of User Demands; Research Methods; Evaluation of Collected Data; Definition of User Needs; Identification of New Products According to Acquired Data; Evaluation of New Products and Manufacturing Conditions; Modification of New Products.

**ENT 423 Design Law 2+0 2,5**  
Industrial Property Right: Patent, Trademark, Industrial Design, Efficient Model, Geographical Marks; Industrial Property Rights in The Turkey and The world; Decree Law, Applications, International Agreements and International Relations, Sanctions; Establishment and Functions of the Patent Institute and Patent Offices.

**ENT 424 System Design 3+0 4,5**  
System Concept; Input, Output, Control Variables, Interrupting Variables, Open And Closed Control Cycles, Basic System Elements, Electrical System Elements, Mechanical System Elements, Basic Hydraulic Elements, Basic Thermal Elements, Control Element Types.

**ENT 425 Design and Quality 2+0 4,0**  
Quality Concept; Position and Importance of Quality in Design; Total Quality Management; Customer Focused Design; Improving Quality Techniques and their Advantages; Quality Improvement Techniques in Design; Phases of Quality Deployment Function; Differences of Quality Function Deployment from Traditional Design Techniques; Studying Product Design Techniques of Present Day Firms.

**ENT 427 Virtual Medium Design 2+1 4,5**  
Basic Principles of Virtual Medium Design; Communication in Virtual Medium; Web Site Concept: Web page design, HTML editor; Examples of Design in Virtual Medium;

Future of Virtual Medium and Legal Applications; Multimedia and Various Interactive Designs.

**ENT 429 Design and Application**

**Criteria in Kitchens**

**2+1 4,5**

Definition of Residence: Features; Kitchen in a Residence: Design Criteria for Criteria for Choosing Materials; Ergonomic Evaluation of a Kitchen; Use and Aesthetic Point of View; Productivity; Safety and Sanitary Features.

**ENT 430 Design and Motion Picture**

**3+0 4,5**

The Components of the Cultural World; Human-specific Design and Communication; Meaning and Language; Meaning and Visual Quality; Design Concept and Design Activity; Photography and Cinema as Communication Tools; Motion Picture and Cinematographic Expression; Visual, Aural, Editable Tools of Cinematography; Time Concept and Space; Body, Perception and Memory; Language; Visual Communication and Time; Language and Visual Quality as Thought Provoking Tools; Visual Thinking and Cinematography as Design Mediums.

**ENT 431 Illustration**

**2+2 4,5**

Introduction To Illustration And Illustration Techniques (Equipments, Materials, Mediums); Techniques And Effects of Sketching In Product Design; Decision Making Process of The Right Angle, Type And Techniques; Line Drawings; Charcoal; Colored Pencil; Marker Methods And Techniques; Rendering In Mix-Media, Advanced Illustration Techniques.

**ENT 432 Quality Improvement Techniques in Production**

**2+0 4,5**

The concept of product, production, production processes and quality. The dimension of quality and quality costs; The place and importance of quality in product and production process; The use of quality improvement tools in production and seven basic quality tools; Deming cycle and benchmarking within the context of continuous improvement; The place of ISO 9000 Standards, six sigma, value engineering, concurrent engineering, lean production and quality function deployment in production process and their contribution to quality improvement.

**ENT 433 Design Theory**

**2+1 4,5**

The Concept of Object from Plato to Baudrillard; Subject and Epistemological Relationship between the two; Change in Importance and Meaning Attributed to the Object and to its Predicates; Effects of Economic and Social Structure; Influence of above Theories in Design Practice; Theory of Platonic Forms; Aristotelian Concept 'Techne?'; Emergence of Cartesian Subject; Empiricism and Doubt; Marx and Alienation; Ideology and Power; Heidegger on 'Techne?'; Semiotics; Postmodern Discourse on Object and Subject; Theory of Simulations.

**ENT 434 Media and Design**

**2+2 4,0**

Social History of Media: Introduction to media, New technologies and processes, Digital era; The Modern Magazine as a Designed Object: Interaction of design and journalism in social, economic and cultural contexts; Evolution of Design Journalism; Analysis of Current Design

Journals; Organisation and Strategies in Design Media: Establishing the mission and content in design journalism; Target Reader; Types and Techniques of Feature and Magazine Writing; News Value; Expression and Language; Typography: Visual texture of language; Developing Hierarchy and Clarifying the Content; Design Criticism; Future of Design Media; Newswriting and Layout Design.

**ENT 435 Design Law**

**3+0 4,0**

Industrial Property Rights: Patent; Trademark; Industrial Design; Efficient Model; Geographical Marks; Industrial Property Rights in Turkey and The World; Rules, Regulations, Decrees and Laws; International Agreements and International Relations; Sanctions; Establishment and Functions of the Patent Institute and Patent Offices.

**ENT 436 Design and Science**

**2+1 3,0**

Overview of the Concept of Scientific; Overview of Scientific Developments in the Last Century: Assessment under the present conditions of concepts such as science fiction, futurism and positivism, Examination of interpretation and utilization of scientific data in fields out of science, Effects of aforementioned issues on today's concept of design, Examination of the aesthetic and analytical existence of these concepts in today's product design processes; Exercises.

**ENT 437 Professional Relations and Project Management**

**3+0 3,0**

Real Time Design; Design; Infrastructure; Manufacturing Systems Network: Product; User; Design Perceptions of Firms: Market Analysis; Market Place and Value of Firms in Relation to Competitors; Market and Product Segmentation of Firms; Corporate Identity.

**ENT 439 Product Design V**

**6+6 12,0**

Culture in Design; Life Style; Design Criteria for Children; Senior Citizens and Disabled People; Effects of Ecology and Globalization; Green Design; Design for Consumer Society; Effects of Market Economy to Markets; Project Applications: Determining design criteria; Evaluation in Studio; Evaluation by Seminars and Juries.

**ENT 440 Product Design VI**

**6+6 14,0**

Dealing with a Producible and Applicable Products; Intellectual Dimension; Concept; Sketch; Mock-up; Model; Practicing Step; Prototype; Process Planning; Project Designs Applicable to Industry; Graduation Project: Determining design criteria; Evaluation in Studio; Evaluation by Seminars and Juries.

**ENT 441 Portfolio Design I**

**2+2 4,0**

Preparation of a Portfolio Design; Research and Data Gathering; Mock up Design; Shooting the Prototypes and Projects; Preparing the Projects for Digital Medium; Personalize the Project; Designing the Sign and Logos for the Project.



**ENT 442 Portfolio Design II** 2+2 4,0

Introduction to Presentation Materials; Studying Various Presentation Techniques; Effective Presentation of Completed Projects; Personal Style in Portfolio Presentation; Decision of Portfolio Presentation According to the Target Group; Types and Preparation Techniques for Portfolios; Providing the Materials; Decisions on Printing Style to Reflect Personalities in Portfolio Presentation.

**ENT 443 Visual Communication** 2+1 4,0

Introduction to Graphic Design; Relationship between Graphic and Industrial Design; Language of Graphic Description; Symbolic Description and its Types; Conceptual Thinking; Importance of Concepts in Design and their Visualization; Forms Converted to Language of Graphics Description; Symbols; Corporate Identity; Brands; Emblems; Pictograms; Semantics; Designing Visual Identity.

**ENT 445 Culture and Design** 2+1 4,5

The Transformation of Definitions "Object" and "Subject" in Modern and Postmodern Structure; Development of Technology and Capitalist Mode of Production and Distribution; Perception of Time and Space; Consumption; Dynamics of Consumer Society; Mass Culture; Visual Culture.

**ENT 447 Form, Material and Function** 2+2 4,0

Natural Existence and Artifact Formations; Evolution; Humanity and Culture; Form and Material Relationship in Natural Essences; Design Activity and the Etymologic Origin of "Design"; Tekhne and Poiesis Concepts; Technique and Technology; Need and Function in Design; Function and Causality; Components of Causality: Material; Form; Effect and Function; Form and Material Relationship in Artifact Formations; Causal - Instrumental Unity and Designers Position in Totality.

**ENT 449 Computer Aided Design III** 2+1 4,0

Advanced Level Studio Paint Use; 2 and 3 Dimension Integration; Advanced 3 Dimensional Modeling Techniques in CAD Environment; Surface Studio Principles; Professional Render Techniques; Animation Techniques in Product Presentation; Computer Aided Production Integration; CAD-CAM-CAE Principles.

**ENT 451 Advanced Product Design** 3+0 4,0

Principles in Product Design; Design for Manufacturing; Design for Assembly and Design for Environment; Physical Prototypes and Models and Experimental Design; Robust Design and Taguchi Method; Reverse Engineering and Scope of Application; Design for Customers: Quality function deployment; Speeding the Design Process: Concurrent engineering; Cost Reduction Methods in Product Design: Value analysis/engineering.

**ENT 455 Data Analysis in Design Process** 2+1 3,0

"What is knowledge?", "What is Information?", "What is Knowledge Management?": How these are related to design processes; Qualitative Analyses of a Product to Be Designed;

Carrying Out Related Analyses; Identifying Product-Specific Outcomes That Are Sustainable, Monitorable and Applicable.

**EST 102 Aesthetics** 2+0 3,0

Beauty as a Concept in Art; Beauty in Art; The History of Concept of Beauty in Art and its Philosophical Evolution; Relationship between Aesthetics-Time-Place; Relationship between Aesthetics and Personality: Concept of personality, Intellectual persons and their relation to Art; General View of Aesthetic Theories: Aesthetic Theories and Basic Differences from Plato to Lukacs; Basic Concepts in Aesthetics; Special Relation Between Aesthetic Concept and Fields of Art and their Historical Development; 20th Century Aesthetics and Socio-Cultural Relations.

**EST 303 Aesthetics** 3+0 4,5

Aesthetics as a concept. Beauty in nature and in Art. Daily use of Aesthetic concept beauty in Art, Concept of beauty in Art, change of beauty concept in time. The concept of ugliness in Art. Aesthetics as an element of Artwork. Aesthetic criteria, Ancient philosophy and Aesthetics, Renaissance and elements of Aesthetics, Contemporary times; Aesthetics and functions.

**EST 405 Aesthetics** 2+0 3,0

In this term Aesthetics will be treated as fine arts science. Discussion of aesthetics in the frame of different thinker's attitudes and opus. Evaluation of aesthetics in a comparative context. Intellectual expression of whether conceptual or terminological aesthetics in its history. Discussion of aesthetic principals of art works from another viewpoint that has been produced in art history. The aesthetic principals of actual art works that are being produced today will also be evaluated at a view point of history up to date by an interactive deal with abstract and perceptible extensions.

**FEL 203 Philosophy of Art I** 2+0 3,0

The Concept of Art: Artist, Client (buyer), work of art, the in and out ways of art, Making an object a work of art; Science of Art Branches: Science of art techniques, Psychology of art; Philosophy of Art: Field of art philosophy, Aim and function; The Method of Making Philosophy of Art: Art ontology, Looking for an idea, Philosophical impressions, Government politics vision to art philosophy; Ontology of Art: In modern ontology art theories, Hartman's ontology theory, the existence of work of arts.

**FEL 204 Philosophy of Art II** 2+0 3,0

The vision of philosophical impressions to art philosophy: Reflection theories, Classical reflection theories, Plato, Aristotle and neo-classic reflection theories, Modern reflection theories, Realism in the West, Russian realism, Theories of social realism; Theories of expression: Romanticism, creation of expression and transfer of the expression theories; Theory of Emotional Effect: Hedonism, Aesthetic life and Richards' centralize theory; Theory of Formalism: Anglo American formalism, Russian formalism and structural theory of art philosophy.

**FİZ 103 Physics** **2+0 3,0**

Vectors; Motion in One Dimension: Average velocity; Instantaneous velocity; Acceleration; One-dimensional motion with constant acceleration; Freely falling objects; Motion in Two Dimensions: Two-dimensional motion with constant acceleration; Projectile Motion; Uniform Circular Motion; Laws of Motion; Work and Energy; Work and Kinetic Energy; Power; Potential Energy and Conservation of Energy; Conservation of Mechanical Energy; Linear Momentum and Collisions: One and two - dimensional collisions.

**FOT 201 Basic Photography** **2+2 5,0**

The short history of photography; Cameras; 35 mm, Medium and large format cameras; Lenses; Normal focus, Wide angle, Narrow angle (Tele) and Zoom lenses; exposure control mechanisms; Diaphragm, Shutter; Stop motion; Depth of field; Film: Film types according to formats, Film types according to light-power sensitivity, Film types according to color sensitivity, Contrast, Clearness and grain structure; Light: light Measuring, the different ways of light measuring, Exposure modes, Filters and asset accessories; Image design; Developing and printing black and white films.

**FOT 202 Photography** **2+0 3,0**

Introduction to Photography: Relations between architects and photography, Description of visual aspect of architecture, Use of photography in the presentation of architectural products; The camera; Process of photographing; Film Development Procedure for Black and White Films, Film Development Procedure for Colored Films and Slides; Printing Processes.

**FOT 304 Industrial Photography** **3+0 4,0**

Fundamentals of Photography; Photographic Composition; Lighting Techniques: Using Natural Light Sources; Using Artificial Light Sources; Exposure and Control Mechanisms: Aperture; Shutter; Freezing the Movement; Depth of Field; Focusing; Product Photography; Photographing Industrial Facilities: Photographing the Production Processes; Photographing Production Tools and Materials; Photographing the Workers and Staff; Architectural Photography.

**FRA 165 French I** **3+0 2,0**

Greeting and Introducing yourself; Saying the day and hour; Presenting somebody; Talking about occupations; Discovering the environment; Talking about the weather report; Informing oneself about health issues; Locating and Settling; Expressing one's opinion; Suggesting an activity; Expressing one's feelings; Reserving a train ticket; Communicating on the telephone; Talking about work; Expressing one's interest; The progress of an Action; Obtaining information about the press.

**FRA 166 French II** **3+0 2,0**

Starting a conversation; Describe the physical appearance of a person; Informing oneself on means of payment; Describing clothes; Telling events; Giving an instruction; Talking about one's neighbourhood; Expressing feelings;

Describing the characteristics of a person; Expressing enthusiasm; Telling memories; Talking about an event; Describing an advertisement document; Talking about friendship relations.

**FRA 255 French I** **3+0 4,0**

Language Functions: Greetings, Invitations, accepting or refusing invitations; Vocabulary Knowledge: Nourishment, Accommodation, Clothing and colors, Bairams and activities; Grammar: Expressions showing quantity, Demonstrative and possessive adjectives, Prepositions and time indicators, Stressed personal pronouns, Imperatives, Verbs with double pronouns; Learning About French Culture: An area in France: La Bourgogne; Pronunciation, Semi-vowels, Gliding.

**FRA 256 French II** **3+0 4,0**

Language functions: Imperatives and wishes; Evaluation, Proving and Thanking; Vocabulary: Nourishment, Accommodation, Clothing and colors, Bairams and activities; Ordinal Numbers; Grammar: Expressions showing quantity, Demonstrative and Possessive Adjectives, Prepositions and Time indicators, Stressed personal pronouns: Imperative moods, Verbs with double pronouns; Learning about Target Culture: An Area in France: La Bourgogne; Pronunciation: Intonation, Semi-Vowels, Gliding.

**GRA 203 Graphic Presentation** **2+1 3,0**

Plan: Symbols, Floor plan, Ceiling plan, Interior plan, Roof plan, Land plan, Shadow; Plan as an analytic diagram, 3D plan drawings; Elevation: Anatomy of elevation, Depth, Presentation techniques, Trees, Interior wall facades, Sky, Reflection on the facade, Night facades, Shadow, 3D plan drawings; Sections: Section elevations, Land sections, Perspective sections, Presentation techniques; Axonometric and Isometric: Shadow, Landscape, Trees; Perspective: Figure and trees, Presentation techniques, Interior perspective presentation.

**GRA 314 Graphic Design** **2+2 4,5**

Introduction to Graphic Design; Relationship between Graphic Design and Industrial Design; Materials of Graphic Design and Their Use; Paining; Concept of Paint; Painting Techniques; Graphic Expression and Its Features; Language as Graphic Expression; Types of Graphic Expression; Visual Thinking; Visual Communication and Visual Learning; Elements of Visual Communication; Language of Symbols; Visual Culture; Usage of Visual Culture's Elements in Graphic Design; Culture and Design.

**HUK 252 Labor Law** **2+0 2,5**

History of Labor Law; Sources and Basic Principles of Labor Code: Employee, Employer, Representative to the employer; Work place; Contract of Service: Types and termination, Consequences of termination, Severance pay; Regulation of Work with regard to Workers; Groups to be Protected (Women, Children, Handicapped and Sentenced Workers); Health and Security at the Work Place; Working Time; Overtime Work; Night Work; Preparing, Completing and Cleaning at Work.

**HUK 376 Design Law 2+0 3,0**

Industrial Property Rights: Patent, Trademark, Industrial design, Efficient model, Geographical marks; Industrial Property Rights in Turkey and the World: Decree laws, Applications, International agreements and relations, Sanctions; Establishment and Functions of the Patent Institute and Patent Offices.

**İÇT 103 Sketching in Design 2+0 3,0**

Design Sketching: Why we draw, Importance of sketching, Basic concepts; Contemporary Techniques in Sketching: Pencil, Colored pencils, Watercolor, Markers, Examples and practice; Exploratory Drawings; Visual analysis, Field studies for developing visual culture and reading the environment; Developing the Concept; Creative thought and sketching, Examples; Detailed Thinking; Sketching in detailed thinking, Examples; Sketching by Computer: Transforming hand drawings into digital drawings, Computer sketching; Different and Mixed Techniques; Sketching and Visual Communication; Presentation of Sketches.

**İÇT 106 Visual Communication Techniques 2+1 3,0**

The 3D Visual animation of design: Principles of perspective, Color, Light, Shadow, Reflection, Dimension, Scale, Lettering, Symbols; Introduction to Materials: Harmony of materials and colors, Texture, Quantity, presentation of materials; Rendering of reflective, unreflective, tough and smooth surfaces of materials in different drawing scales, Rendering texture on different scales, Reflection, Shining, Light and Shadow; principles of rendering: Watercolor, Guage, Pastel, Marker, Charcoal; Rendering on section and elevations.

**İÇT 109 Introduction to Interior Design 2+0 3,0**

Introduction To Interior Design Profession: Who Is An Interior Designer?; Application Fields; Relations to Other Professions; Interior Design Projects As Communication; Design-Technical Drawing-Application; Examples; Interior Design: Interior Space, Design Process, Perception; Examples And Studies On Topics.

**İÇT 110 Introduction to Design of Space 2+3 5,0**

Space: Definitions of space, Interior-exterior space, Elements of space, Examples and applications, Organizing the space; Analyzing the space, Environmental perception, Transitions of space, Relationship between spaces; Introduction to Design Process: Different space problems, Function and space, User; Object-space relationships, Examples, Applications, Design problems on basic user needs and functions, Problem solving, Sketches, Models and drawings.

**İÇT 112 Sketching and Design Drawing 2+1 4,0**

Sketch and Design Methods; Basic Drawing Methods For Beginning Students: Freehand drawing, Mechanical drafting, The way objects and interior spaces look in orthographic projections (plan, section, elevation, and perspective), Free hand paraline drawings (isometric and axonometric), Free hand architectural working drawings and conceptual, presentation drawings; Special Visual Language;

Introducing Designers To All Types of Drawing Used In Design; Investigation of Specific Architectural History; On-Site Drawings of the Interiors and Exteriors; Major Landmark Buildings; Developing Skills; Quick And Accurate Representation of Architectural Forms; Interior Space; Tracing Lineage of Specific City Architecture; Graphic Analysis; Lectures; Daily Critiques of Students? Work; Field Trips To Sites In Outlying Areas.

**İÇT 201 Interior Design Project I 4+4 10,0**

Developing an approach of design, for different social, cultural and economic needs of users, involving quality, health and comfort conditions: Design of space for living, working, cooking and washing in optimum dimensions; Defining the conditions, Individual and group interview, Seminars and juries.

**İÇT 202 Interior Design Project II 4+4 10,0**

Considering the design principles, designing the customer's requirements in displaying and selling different kinds of goods made from traditional and contemporary materials, Designing the basic space requirements like heating, ventilation and lighting of spaces; Definition of design criteria, Individual and group interview, Seminars and juries.

**İÇT 205 Ergonomics 2+0 3,0**

Definition of Ergonomics: Historical development and application of fields, Use of ergonomics data in furniture and interior design; Ergonomics and Anthropometrics; Event of Sitting and Determining Ergonomics values (House/office/restaurant, etc.); Ergonomics Dates and Interiors; Application of Ergonomic Dates in Houses: Kitchen, Living room, Bed room, Bathroom, etc.; Application of Ergonomic Dates in Offices: Director room, Secretary room and Waiting room; Application of Ergonomic Dates in Restaurants and Cafes; Ergonomics for Elderly, Disabled and children.

**İÇT 209 Space and Imagination 2+0 3,0**

Analysis of the Concepts 'Space', 'Dwelling' and 'House'; House as an Object of Desire; Heidegger's Philosophy of 'Dwelling'; Semiology and Roland Barthes' Ideas on Semiology of Objects; Wofgang Haug and the Critique of Commodity Aesthetics; Issues and Discussions on the Society of Consumption; The Relationship Between Design And Politics; Architecture, Design and Biopolitics; Deleuze and Guattari for Designers.

**İÇT 214 Introduction to Furniture Design 2+0 3,0**

Relation of Interior Space and Furniture in the 20th Century: Design principles in furniture, Tangible design characteristic, Intangible design characteristics; Creation of Design Principles in Furniture Design: Introduction to project using design criteria, Sketching Detailing, Modeling (1/5), Perspective; Basic Concepts of Furniture Design Methods Depending on a Small Scale Interior Space; Sketching, Detailing, Modeling (1/5), Perspectives.

**İÇT 215 Structural Materials 2+0 3,0**

Relationship between Production Technology and Materials: Historical development of the materials, The factors that

determine product design and relationship with structural materials, Design and technical characteristics of materials; Structural Materials: Natural and artificial stone materials, Metals (Steel, iron, copper, lead and alloys), Ceramics, Brick, Glass, Natural and artificial wood materials, Connecting materials (Plaster, lime, concrete), Synthetics (Plastics, rubber), Fabrics and Paint.

**İÇT 217 Construction I 2+0 3,0**

External Structure: Foundations, The nature of soils, The relationship between building and soil, Types of Foundations; Walls: Functions of walls, Construction of walls, Opening in walls; Arches and Lintels; Floors: Functional requirements, Ground floors, Upper floors, Construction of floors; Stairs: Introduction, Functional requirements, Balancing of stairs, Construction of stairs according to materials; Roofs: Functional requirements, Types of roofs, Pitched roofs, Flat roofs; Roof Coverings.

**İÇT 218 Construction II 2+0 3,0**

Internal Structure; Partitions: Functional requirements, Load bearing partitions, Relatively permanent non-load bearing partitions; Doors: Functions of doors, Construction of external and internal doors, Types of doors; Windows: Function of windows, Types of windows, Window construction according to materials, Sills and Thresholds; External and Internal Effects on Building: Thermal insulation, Water and moisture insulation, Sound insulation.

**İÇT 301 Histories of Interior Design and Furniture I 2+0 3,0**

Social Changes: Cultural, Economic and Political Effects on Social Change; Building and Interior Usage in Pre-historic Cultures; Building and Interior Formation in Social Structures of Egypt and Mesopotamia; Interior and Furniture Formation and Design in the Ancient World; Social Changes, Concepts in Interior Design in Middle Ages; Renaissance, Design Principles in Furniture and Interior Design in European Countries: Design principles in furniture and interior design in Baroque, Rococo Periods, Classicism and Victorian Age; Social Changes in the 19th Century Cultural, Economic and Political Effects on Social Change; Furniture and Interior Design in Industrial Revolution; Social Structure, Furniture and Interior Design Principles in Arts and Crafts Movement; Aesthetic Movements and Art Nouveau Period.

**İÇT 302 Histories of Interior Design and Furniture II 2+0 3,0**

Effects of the 20th Century Thinking; Modernism, Space in Modernism and Formation of Interiors; Interiors and Interior Design in 1900-1910 Period; 1910-1945 1st Period in Design, Development in Furniture and Interior Design of Werkbund, De Stijl, Bauhaus and Art Deco; Interiors and Interior Design in 1900-1910 Period; 1945-1960 2nd Period in Interior Design, Development in Furniture and Interior Design of International Style; Interiors and Interior Design in 1900-1910 Period; 1960-2000 3rd Period in Interior Design, Development in Furniture and Interior Design of Deconstruction and Post-modernism; 20th Century

Designers; Islamic Architecture; Turkish Architecture in the 20th Century.

**İÇT 303 Interior Design Project III 4+4 9,0**

Designing Office Spaces and Furniture with Various Functions for Different Kinds of Professional Groups: Defining the functional requirements and the user needs according to the aim of the space in interior design, Organization of the functions and the space, Choosing the materials, Individual and group interview, Seminars and juries.

**İÇT 304 Interior Design Project IV 4+4 10,0**

Design of General Public-use Interiors Involving Different Requirements of Social and Economic Groups: Individual activity, Group interaction, Cultural relationships Needs and requirements of the handicapped, Health, Safety, Comfort and technological factors for space design, Relations between interior space and physical environment, Individual and group interview, Seminars and juries.

**İÇT 307 Furniture Construction 2+1 3,0**

Joint Techniques of Wood, Side joints, Groove joints, Wood spline joints, Tongue-groove joints, Dowel joints, Mortise and tenon joint, Mortise joint; Massive Construction: Wooden construction, Frame corner joint, framed construction, Finger joint, Construction of equipment made of wood.

**İÇT 315 Colors and Textile in Interiors 2+0 3,0**

Interiors: Designing Colors in Interiors, Harmony in Using Colors; Psychological Effects of Color, Choosing and Application of Colors According to The Customer's Profile, Color in Different Types of Function at Interiors; Textile: Kinds of Textiles, Designing Textiles in Interior, Choosing and Application of Textiles According to The Customer's Profile, Textile in Different Type of Function at Interiors; Using Color and Textile as Daily Tastes, Effect on Interiors, Fashion.

**İÇT 316 Landscape 2+0 3,0**

Improving the Criterion of Environmental Arrangement; Types of Plants; Elements of Exterior Equipment; Construction of Land Etc; Making Exemplary Practices on Environmental Arrangements.

**İÇT 317 Furniture I 2+1 4,5**

In this furniture discipline, concepts, methods and principles based on relations between user-place-furniture in the interior place are discussed. In this sense, within student's insights from other disciplines, students are asked to practice on how new furniture design use systematic design methods.

**İÇT 318 Furniture II 2+1 5,0**

Furniture Design: Research and inquiry, Definitions of objects, Full range of human activities, Expansion on Definition of Furniture; Conceptual, Ergonomic, Historical and Theoretical Methods Used In the Study of Human Form; Activity And Interactivity With Scaled Forms, Everyday Environment; Concept Development And Material

Explorations; Traditional and Contemporary Issues; Process Investigations; Materials And Construction Techniques; Introduction To Available Shops; Fabric Industries; Designers; Developing Designs for Individual Pieces; Fabrics; In Depth Critique of Cultural Content; Material Selection; Details; Finishing; Some Classes Are Held In Shops.

**İÇT 319 Model Building Techniques 2+1 3,0**

Model Building: Combining skills from a range of studies, Designing and producing objects, Working with a variety of tools, Learning how to design, Finishing presentation models, Use of simple hand tools in conjunction with wood shop machinery, Painting equipment, Learning techniques commonly employed in accurate scale-model fabrication, Assembly, Finishing, Advanced study, Practice with hand tools, Techniques, Materials, Equipment used to construct professional-quality models, Prototypes related to interior and furniture design; The Emphasis: Producing useful process models, Presentation of models, Workshop practice and safety.

**İÇT 320 Mythology And Space 2+0 3,0**

Mythology and Space: What is mythology?, Legends, Epics, Tales, Proverbs; Space: Dimensions, Area, Cont, Entropy, Anti-entropy, Closing of space, Defined space, Natural space, Artificial space; The Significance of Space in Mythology; Surrealism, Fiction; Metaphors; Adaptation; Imagination; Mystery; Action Space; Position Space; Space of Gods; Creature Space; Turkish Mythology; Turkish Gods, Cults; Sky Space and Ground Space; Symbols; Using Element of Space for Creativity.

**İÇT 321 Structural Systems of Buildings 2+0 3,0**

Introduction of Structural Systems; The Relationship Between Building and Structures: Structural requirements; Structural Materials: Masonry, Timber, Steel and reinforced Concrete; Structural Forms; Masonry Structures; Frame Structures; Reinforced Concrete, Steel and Timber Frame Structures; Shells; Space Grid Structures; Tensile Structures; Pneumatic Structures.

**İÇT 323 Design and Culture 2+0 3,0**

In contrast, what the nature produces, everything that human produces is Culture: The research and the study of the reasons of why people from different cultures produce different solutions; Identification and determination of main human necessities: Why people produce different design solutions, from different cultural structures, to satisfy their main necessities such as housing, cleaning, catering, security, recreation etc.; Housing: Comment and research on the reasons of different designs to satisfy housing needs according to climate, geographical location, demographic situation etc; Determination and evaluation of the other basic human needs in the same way.

**İÇT 324 Elements and Materials in Interior Design 2+0 3,0**

Types of Materials Used in Interiors: Wood, Masonry, Metals, Glass, Plastic; Material Selection: Evaluating materials, Materials in their setting genuine versus imitation;

Materials in Relation to Elements; Walls: Load-Bearing walls, Partition walls; Windows: Window types, Window treatment; Structure: Columns; Stairways: Steps, Railings, Designing stairways; Ceilings; Miscellaneous Elements; Recycling Materials, Pollution and Waste.

**İÇT 325 Advanced Presentation Techniques 2+0 3,0**

Presentation and Rendering Techniques: Exploration, development of technique, Application of rendering skills for architectural interiors, Exteriors, Furnishings, Accessories and details through a variety of media including pen and ink, color pencil and markers; Emphasis Placed on Material Simulation; Delineation Techniques; Development of Skills in Graphic, Oral Presentation of Design Projects; Lectures, Demonstration and Practical Exercises; Introduction to a Range of Techniques: To enabling students to present their work in a professional, cohesive manner, Being proficient in creating clear presentations, Utilizing a variety of media and types of approach, each suitable for a different audience expected.

**İÇT 326 Physical Environment Control I 2+0 3,0**

Climate and Elements of Climate; Climatic Comfort Conditions; Climate and Energy Efficient Design Criteria in Physical Environment; Heating and Ventilation Systems, Concepts of Designing Air Conditioning System in Interiors; Sanitary Fittings in Buildings: Design of cold water supply systems and design of drains; Design of functional areas related with sanitary fittings; Safety Systems: Fire control and protection from fire; Technical Matters, Standards and Regulations About Buildings in Turkey.

**İÇT 327 Design Principles of the Kitchen 2+0 3,0**

Ergonomics and Kitchen Design; Dimensions about Kitchens: Anthropometry, Equipment used in kitchens; Design Principles: Kitchen types, Materials used in kitchens, Programming kitchen, Planning kitchen, Primary work centers in kitchens, kitchen layouts, Storages in kitchens, Wall surfaces in kitchens, Ceiling materials in kitchens, Miscellaneous items, Performance criterions in kitchens.

**İÇT 328 Formation of Interiors at Anatolia's Settlement in Antiquity 2+0 3,0**

Antiquity: Philosophy, Cultural, Economical, Belief and Political Structure of The Society, Antiquity in Anatolia, Social Structure, Formation of Settlements and Structural Aspects; Settlements in Anatolia, Features; Developing Functions Related to The Usages in Period, Usage of Interior and Furniture in Buildings and Its Features.

**İÇT 329 Design and Application Criteria in Baths 2+0 3,0**

Baths and Lavatories: Definition, Features; Baths and Lavatories Residence, Commercial and Public Interiors; Design Criteria: Materials and Choosing Material Criteria in Baths and Lavatories; Physical Environments Data and Its Evaluation; Evaluation of Materials as Using and Aesthetic Point of View; Evaluation of Materials as Design and Application Point of View, Hygiene and Security Factors.

**İÇT 330 Play and the Plaything 2+0 3,0**

Relations of space, play, and plaything. Play, and plaything design approaches. The effects of play, and plaything on children. Sociological, psychological, and environmental factors effecting play. Design examples and practices.

**İÇT 331 Computer Animation for Interior Design 2+0 3,0**

Computer Animation: Movement and animation, timing in computer animation, cameras, lights, animation frames, motion tracks, keyframes; Video: Video types, video codecs, data export options; Presentation: Data use in various environments; Multimedia; Post-processing: Effects, filters, video composition

**İÇT 332 Exhibition and Exhibition Space Design 2+0 3,0**

Approaches For Exhibition Design: Behavioral approach, Constructivist approach; Examinations for datas: Exhibition context, Exhibition space, Human factor; Approaches for the exhibition context: Positivist approach, Critical approach; Approaches for accessing to the context, Communication methods: Communication as transmission, Cultural communication: Approaches for evaluating data related to exhibiton space.

**İÇT 334 Computer Aided Manufacturing 2+0 3,0**

History of Computer Aided Manufacturing; Methods in Computer Aided Manufacturing: Addition, Subtraction, formation; Computer Aided Manufacturing Tools: Axis, energy types, domains of use, laser cutters, water jets, mechanical drillers and cutters; Rapid Prototyping; Design Approaches for Computer Aided Manufacturing: Sectioning, tessellation, folding, forming, contouring; Materials for Computer Aided Manufacturing

**İÇT 403 Interior Design Project V 4+4 9,5**

Designing Spaces with Complicated Functions with a specific emphasis on the Corporate Identity: Adaptation of existing spaces by new functions, Space organizations for the complicated functions on large scale projects, Establishment the relations with Interior Space-Environment-Urban, Adding technology and material to design related to economic and aesthetic value, Individual and group interview, Seminars and juries.

**İÇT 404 Interior Design Project VI 4+4 12,0**

Research on Programming and Designing Large Complex Public Use Interiors, Service and Care Facilities: Developing design requirements and programs for public spaces, Research on the relations of Building, Environment and Urban. Creating solutions for aesthetic, physiologic, technological requirements, Individual and group interview, Seminars and juries.

**İÇT 406 Space Analyzing in Interior Design 2+0 3,0**

Space: Definition of space, Concepts of Space in interior design, Elements of interior design, Principles of design in interior space; Design: Definition, Design elements, Design methods; Perception: Definition of perception, Perception

process, Perception psychology, Gestalt theories, Perception of interior spaces; Analysis: Definition of analysis, Goal of analyzing, Methods of analyzing, Space analyzing, Physical and psychological analysis in interiors.

**İÇT 409 Illustration of Interiors 2+0 3,0**

What's Illustration? Illustration and elements of interiors: Crayon, Aqua colored pencils, Watercolor, glimmer, reflection, visual relief; Rendering of Furniture: Section rendering, Plan rendering, Perspective rendering; Fantasy and Illustration: Texture rendering, Techniques of shadowing, Fantastical illustration, Mythological illustration, Rendering interiors.

**İÇT 413 Principles of Lighting Design in Different Spaces 2+0 3,0**

Lighting Design: General principles of lighting design, Day lighting, Artificial lighting; Principles of Lighting Design in Different Spaces; Home Lighting: Lighting design problems of entrance, living room, bedroom, bath and stairs of the house; Office Lighting: Lighting design problems of general and private offices; Hotels and Restaurants Lighting: Lighting design problems of dining rooms, bars and guest rooms.

**İÇT 414 Socio-cultural Effects on Furniture Design 2+0 3,0**

Development of Design Concept within Historical Period; Changing design approaches since Bauhaus, Socio-cultural effects in development process, Effects of socio-cultural developments on furniture design and conclusions; Various Socio-Cultural Structures and Changing Ideas of Design: Socio-cultural effects in Scandinavian countries and Europe, Socio-cultural effects in Japan and furniture design, Socio-cultural effects in America and furniture design.

**İÇT 417 User-Furniture Interrelation in Interiors 2+0 3,0**

Space Organization: Environment and space; Interrelationship between Culture-Action-Space; Physical environment; User Needs: Determining and defining the needs; Space Organization: Determining the user and his/her needs and furniture; Personal Space: Sovereignty area, Privacy; Space Psychology: User culture, User psychology, Color psychology; Examining the User-Furniture Interrelation: Prototype applications and research.

**İÇT 419 Space in Traditional Turkish House 2+0 3,0**

Elements of Traditional Turkish City: Creating conditions, Street pattern, Public buildings, Blocks of houses, Traditional Turkish House as the most important element of the city, Elements of house and creating, developing, changing conditions; Sofa, Rooms, Courtyard, Relation between street and house, Room as the most important element of the traditional Turkish house; Elements of the room; Walls, Cupboards, Door, Fireplace, Ceiling, Evaluation on the typology of traditional Turkish house in history, Case study.

**İÇT 421 Corporate Identity and Commercial Spaces 2+0 3,0**

Definition of Identity and Meaning Concepts: Symbolic aesthetics; Corporate Identity: Corporate identity as a concept, Importance of the corporate identity, Development of identity, Applications from the past, Corporate image and strategy, Need for corporate identity, Organization of the program, Visual Application Guides; Reflections of the Corporate Identity on the Visual Identity: Space identity, Identity of architecture and interior design; Examples from the commercial spaces: Banks, Other commercial spaces.

**İÇT 422 Creative Thought and Design 2+0 3,0**

Design and Designing Activity: Design as a product, As a process, As mental activity; Creative Design and Problem Solving: Thought and ways of thought, Creation, Thinking and learning, Concept developing; Creative Process in Design: Fantasy, Concepts of Imagination and Reality, Metaphor and paradox, Explanation of creativity; Ordinary design, Original design, Creative design.

**İÇT 423 Creativeness Methods 2+0 3,0**

Superficial-Deep Memory. Transformation of aesthetics intellect, Exercises of brain development. Physiological workings, Intellectual workings. Method of brain storming, Methods of dialectic thinking, Methods of lateral thinking, Brain storming, Synectic method, Methods of analysis. Methods of escapism, Methods of game tree, Metamorphosis, Transformation, abstraction, conceptualization, Camouflage, Adaptation, Deformation, Analogy.

**İÇT 424 Methods of Portfolio Presentation 2+0 3,0**

Application of job: presentation varieties, quality, features. Curriculum vitae: definition of curriculum vitae, features, varieties and its writing. Application. Portfolio; definition of portfolio, features, varieties and its design. Application. Environments of Job: Definition, Feature, Methods of searching job, talking with employer. Talking: Presentation; Definition of presentation, varieties, features, methods. Dimension of behavior.

**İÇT 425 Survey Drawing and Restoration 2+2 4,5**

Techniques of Survey Drawing and Scale: Preparation of photography and sketch drawing, Measuring horizontal dimensions, Taking notes, Transferring the measures to the paper, The technique of survey drawing; The Development of Preservation Idea: Romantic sight, Historical Restoration, Contemporary Restoration; Values to Preservation and Criteria of Preservation: Mobile cultural properties, Immobile cultural properties and natural properties, Criteria of preservation; The facts about the distortion of monuments, Interior Facts, Exterior Facts: Techniques of restoration; To get strong, Unifying, Renewing, Contemporary addition, Reproduction, Cleaning, Transporting, Archeological Restoration.

**İÇT 427 Physical Environment Control II 2+0 3,0**

Physical Properties of Light and Photometric Quantities: Luminous flux, Luminous intensity, Illumination, Luminance; Visual Comfort Conditions; Physical

Environment Factors in Lighting Control; Lighting and Human; Light Sources: Concepts of Day Lighting Design, Artificial Lighting Design and Mixed Lighting Design; Sound and Properties of Sound; Relation Between Sound and Human Health; Acoustical Phenomena in Enclosed Spaces; Sound Absorbing Materials and Constructions; Acoustical Requirements in Auditorium Design

**İÇT 428 Space-Boundary Relations 2+0 3,0**

Boundary Concept: Philosophy of boundaries, Boundaries as social, politic and economic Tools; Boundary and Human Beings: Theory of environmental perception, Privacy, Territory, Public- private space, Personal space and personal distance; Boundary- Space: Concepts of space, Dwelling, Interior-exterior, Closure and the openings, Transition-direction; A Historical View on Boundary-Space Relationships.

**İÇT 429 New Expansion at the Design 2+0 3,0**

Current approaches at contemporary design subjects and evaluations, Criticism of special design problems, evaluations of design problems at current condition. Giving example on problems that occur design and application process. Critical approaches on design applications in the Turkey and in the World. Evaluations of relationships between educational field and applicational field.

**İÇT 431 Professional Practice 2+1 4,5**

Interior Architecture/Interior Design: Definitions, Fields of study, Formation Period in the 20th Century, Design process; Interior Architect and Interior Designer: Definition, Features, Duties, Responsibilities, Conditions of occupation; Areas of Occupation; Associations in Profession: Associations found abroad, Foundation period, Definitions, Fields of study; Chamber of Interior Architects of Turkey: Definition, Rules and regulations, Goals of foundation, Marketing control and checking; Interior: Definition of interior, Concepts of interior design, Formation of elements in Interior Design, Materials, Principles of materials in Interiors; Drawing Standards; Presentation; Goals and Methods of Presentation; Application Methods; Measuring and Units of Using Materials; Cost: Definition, Elements of cost, Calculating the first offer, Calculating the area, unit of prices, Calculating the cost; Agreement; Types of Firms: Definition, Features; Relation of Employer-Designer; Relation between

**İÇT 432 Spatial Configuration of Ottoman Kulliye's & Mosques 2+0 3,0**

Külliye concept, The components of külliye, The configurational arrangements, the evolution of Ottoman Külliyes, Example of külliye's from Sinan's era. Mosques, The elements of spatial configuration, The evolution of spatial configuration in mosque sand examples of various spatial configurations.

**İÇT 436 Verbal Communication 2+0 3,0**

Features of Bodily Expression Tools And Styles In Human Relationships; Elements that Form Bodily Expression: Face and head, Eyes, Hands and arms, Feet and legs, Torso, Voice and speech; Body's Relation to Space; Body's Relation to

Objects; Body's Relation to Other Bodies; Observation Analysis: Observing a body, Observing a group; Discipline: Mimics, Gestures, Body positions, Relationship with objects, Voice and speech, Discipline of feelings and emotions, Practicing with a partner.

**ICT 438 Cyberspace Design 2+0 3,0**

Basic Principles of Web Design; Examining The Concept of Cyberspace; Tools and Techniques For Web Design; Investigation of Web Graphic Samples; Basis of Internet and HTML; Design of Basic Web Page With Frontage; Interactive Graphics And Interface Design at a Web-Centered Stage; Transferring FTP Files to Server and Updating Site and It's Technique, Project Study.

**ICT 439 Child As a User in Space and Furniture Design 2+0 3,0**

Properties of Growing; Physical, Auto growing, Language acquisition, Emotional growing, Social growing; Environment of Family and School; House as a Social Environment; House As a Physical Environment; Perception; Child's Spatial Perception; Perception of Objects by a Child; Relation Between Object-Function; Design Criteria And Furniture: Functional criteria, Psychological criteria, Technical criteria, Economic criteria.

**ICT 441 Contemporary Approaches on Museum Design 2+0 3,0**

Museum Concept's Past, and Today: Changing museum concept; Art museums, Social history museums, archeology museums, science museums, and etc. Changing museum design approaches: Changing requirement programs, and the elements effecting design, Museum renovations, Contemporary additions to existing museum, New museum buildings, Evaluating potential city spaces, Museum blocks and museums relations with each other, Interior space and displaying; Museum's changing function: Social-cultural changing, Changings on communication sciences and technology; Museum as a cultural structure: Social function of the museum, Museum as a means of understanding, and explaining yourself, Museum and children; Museum Making Meaning and Expansion to Future: Lecture is supported by visual materials prepared via different scale and approaches from different countries.

**ICT 443 Experimental Space Design 2+0 3,0**

Concept of Experience; Factors Affecting Experience: Factors on human, Factors on space; Types of Space-Related Experience: Object-oriented experiences, Cognitive experiences, Introspective experiences, Social experiences; Experiential Spaces and Design Inputs.

**ICT 445 Computer Animation for Interior Design 1+1 3,0**

Computer Animation: Movement and animation, Timing in computer animation, Cameras, Lights, Animation frames, Motion tracks, Keyframes; Video: Video types, Video codecs, Data export options; Presentation: Data use in various environments; Multimedia; Post-processing: Effects, Filters, Video composition.

**ICT 454 Design Criteria for the Disabled 2+0 3,0**

Designer: Definition of interior architect/Interior designer, Features, Duties, Responsibilities, Sensitivity of designers; Disabled: Definition, Features, Ergonomic criteria, Design principles, for spaces; Design Criteria: Relationship between space and disabled, Design methods; Design for Elderly: Features of spaces, design methods, Choice of furniture.

**ILT 212 Non-Verbal Communication 3+0 3,0**

Concept of Nonverbal Communication; Importance of Nonverbal Communication in Daily Life; Communication Environment: Effects of environment on human communication; Use of Personal Space in Communication; Cultural Differences in Nonverbal Communication; Effects of Physical Environment Characteristics on Human Interaction; Emotional Expressions in Nonverbal Communication; Vocal Codes and Listening; Effects of Signs about Gestures, Posture, Clothing, Touching, Face, Eye and Voice on Communication; Methods of Improving Nonverbal Skills; Nonverbal Skills in Different Environments.

**ING 107 Advanced English I 2+0 2,0**

General Review: Tenses, Verbs, Noun Phrases, Compound Nouns, Noun Clauses: Using participles in noun clauses; Tenses Used in Narration: Past Simple, Past Progressive, Past Perfect Simple, Past Perfect Continuous; Reflexive Pronouns; Irregular Verbs; Comparative Structures: As..... as; Modals: Modals of Possibility, Obligation, Permission, Ability and Request; Idioms; Synonyms; General Review: Passive voice.

**ING 108 Advanced English II 2+0 2,0**

General Review: Verbs; Use of Get+adverb/preposition; Reported Speech, Formal and Informal Language; Conditional Sentences: Type 1, Type 2; Adverbial Clauses of Time; Punctuation; Adjective Clauses: Defining, Non-defining; Use of Participles: Using participles in adjective clauses, Using participles in adverbial clauses of time, Using participles after some certain verbs; Possessives; Hypothetical Statements; Wish Clauses: Present Simple, Past Simple; Advanced Listening and Note Taking Skills.

**ING 109 Advanced English I 3+0 3,0**

General Review: Tenses, Verbs, Noun Phrases, Compound Nouns, Noun Clauses: Using participles in Noun Clauses; Tenses Used in Narration: Past Simple, Past Progressive, Past Perfect Simple, Past Perfect Continuous; Reflexive Pronouns; Irregular Verbs; Comparative Structures: As...As; Modals: Modals of Possibility, Obligation, Permission, Ability and Request; Idioms; Synonyms; General Review: Passive voice.

**ING 109 Advanced English I 3+0 3,0**

General Review: Tenses, Verbs, Noun Phrases, Compound Nouns, Noun Clauses: Using participles in Noun Clauses; Tenses Used in Narration: Past Simple, Past Progressive, Past Perfect Simple, Past Perfect Continuous; Reflexive Pronouns; Irregular Verbs; Comparative Structures: As...As; Modals: Modals of Possibility, Obligation, Permission,



Ability and Request; Idioms; Synonyms; General Review: Passive voice.

**ING 110 Advanced English II 3+0 3,0**

General Review: Verbs; Use of Get Adverb/Preposition; Reported Speech, Formal and informal Language; Conditional Sentences: Type 1, Type 2; Adverbial Clauses of Time; Punctuation; Adjective Clauses: Defining, Non-Defining; Use of Participles: Using Participles in Adjective Clauses, Using Participles in Adverbial Clauses of Time, Using Participles after Certain Verbs; Possessives; Hypothetical Statements; Wish Clauses: Present Simple, Past Simple; Advanced Listening and Note Taking Skills.

**ING 110 Advanced English II 3+0 3,0**

General Review: Verbs; Use of Get Adverb/Preposition; Reported Speech, Formal and informal Language; Conditional Sentences: Type 1, Type 2; Adverbial Clauses of Time; Punctuation; Adjective Clauses: Defining, Non-Defining; Use of Participles: Using Participles in Adjective Clauses, Using Participles in Adverbial Clauses of Time, Using Participles after Certain Verbs; Possessives; Hypothetical Statements; Wish Clauses: Present Simple, Past Simple; Advanced Listening and Note Taking Skills.

**ING 151 English I 3+0 3,0**

The English Alphabet; Pronunciation Practice; Objects: The objects in the classroom; Pronouns: Personal pronouns, Possessive pronouns; Greeting Structures; Sentences: Affirmative and negative sentences, Imperatives; Subject-Verb Agreement; Tenses: Present simple, Present continuous, Past simple; Verb "To Be"; Interrogatives: Questions asked by using an auxiliary verb, Why-Questions; Nouns: Countable and uncountable nouns; Modals: "Can", "Must", "Have to"; Prepositions of Place: "In", "On", "At", "Between", "Above", "Over", "Below"; Adverbs of Frequency: "Often", "Always", "Never".

**ING 152 English II 3+0 3,0**

Modals: Should, Ought to, Had better, May, Might, Could, Can; Writing: Organizing ideas, Writing a paragraph; Reading: Understanding a written text and answering comprehension questions; Vocabulary in Context: Guessing the meaning of words from the context, Synonyms and antonyms; Tenses: Present perfect tense, Past progressive tense; Interrogatives: Positive and negative questions; Passive Voice: Simple present and simple past tense; Adjective Clauses.

**ING 165 English I 0+0 2,0**

All About You: Use the verb be with I, you, we and it; In Class: Use the verb be with he, she, they, this, and these; Favorite people: Use my, your, his, her, our their; Everyday Life: Use simple present statements, yes-no questions, and short answers; Free time: Ask simple present information questions; Neighborhoods: Use There's and There are; Out and about: Use the present continuous; Shopping: Use like to, want to, need to, and have to with other verbs; A wide world: Use can in statements, questions, and short answers; Busy lives; Looking back; Fabulous food.

**ING 166 English II 0+0 2,0**

Making friends: Use the simple present and present of be (review); Interests: Use different verb forms; Health: Use the simple present and present continuous; Celebrations: Use going to and the present continuous to talk about the future; Growing up: Use the simple past in statements and questions (review); Around town: Use is there? And are there? To ask about places in a town; Going away; At home; Things happen; Communication; Appearances; Looking ahead.

**ING 455 Text Analysis in English 2+0 3,0**

Methods for Examining and Analyzing Novels and Texts: Finding main ideas, Character-Main character analysis of the events chronologically, Summarizing, Establishing Cause-effect relationship between events; Analysis of Novels and Texts from American and English Literature.

**ISP 151 Spanish I 4+0 4,0**

Introduction: Greeting, Giving information; Gender in Nouns and Adjectives; Verbs in the Present Tense; Demonstrative Adjectives and Pronouns; Plural Forms of Nouns and Adjectives; Description: House, Objects, Numbers; Asking Questions; Asking for Directions and the Time; Verbs in the Present Progressive Tense; At a Restaurant: Ordering, Asking for the Bill, Talking about Preferences; Describing People; Reflexive Verbs; Shopping: Cost, Likes and Dislikes, Quantity; Invitation: Accepting, Refusing; Gerunds; Seasons.

**ISP 152 Spanish II 4+0 4,0**

The Past: Near and remote past, Prepositions, Indefinite pronouns; The Future: Future plans, Making a phone call, Comparison; The Future Perfect Tense; Habits in the Past; Regular and Irregular Verbs; Senses; Some Grammar Rules: Obligation, Personal pronouns, Passive construction, conjunctions; Reading Texts: Biography, Narration, Picture stories.

**ISL 423 Entrepreneurship and Venture Creation 3+0 3,0**

Concept of Entrepreneurship; Characteristics of Entrepreneurship; Main Functions of Entrepreneurship; Developments in Entrepreneurship; Creativity and Innovation in Entrepreneurship; Preparing the Business Plan; Process of the New Venture Establishments; Entrepreneurship and Intrapreneurship; Technological Innovation and Economic Performance; Competition and Entrepreneurship in Market Economy; International Entrepreneurship; Entrepreneurship in Turkey; Entrepreneurship in Developed and Developing Countries.

**ITA 203 Occupational Italian I 2+0 2,0**

Introductions in daily speech; Describing self; The verbs "stare" and "essere"; Singular GENDER; The verb "abitare"; Pronunciation of the letters "c" and "g"; Agreeing and disagreeing; Describing aims and purpose; The verbs "essere", "abitare", "andare"; Making Reservations; Using of "c"e" and singular nouns; The verb "chiamarsi"; The alphabet; Spelling of "sc" and "sch"; Ordering in a restaurant; the verbs "prendere" and "avere"; Numbers 1-20; Numbers to 100; Talking about breakfast habits; Plural

nouns; Singular adjectives; Numbers to 2000; Plural gender; Spelling of “gn” and “gl”; The verb ?fare?; Occupations for women and men; Plural adjectives; Describing a day; The verb “finire”; Possessive adjectives; The verbs ?potere? and “dovere”; Days of the week; Spelling of double consonants; Strategies in vocabulary building ; Developing listening skills; Talking about family and work; Prepositions “a”,”da”;

Describing a place using the preposition ?a?; The verbs “aprire”, “venire.

**ITA 204 Occupational Italian II** **2+0 2,0**

Using the verbs “avere’ and “eserse” in past tense; Past forms of irregular verbs; Singular and plural possessive adjectives; Writing skills; Colors; Descriptive prepositions; The verbs “volere” and ?dire?; Direct adverbs: lo; la; li and le; Reflexive verbs (present tense) da; fra; fa; Time adverbials; Describing time and place; Developing speaking skills; Expressing opinion on daily events (shopping, holiday, festivals, etc.).

**ITA 255 Italian I** **3+0 4,0**

Sounds in Italian; Masculine and Feminine Definite Articles; Personal and Demonstrative Pronouns; Use and Conjugation of Verbs 'Essere?' and 'Avere?'; Introducing Oneself; Improving Reading Comprehension by means of Dialogs; Describing People ; Days ; Months ; Years ; Asking the Time; Ordinal and Cardinal Numbers.

**ITA 256 Italian II** **3+0 4,0**

Simple and Compound Prepositions; Past Tense and Conjugation of Verbs in this Tense; Transitive and Intransitive Verbs in Past Tense; Improving Reading Skills; Analyzing Paragraphs and Texts; Interrogatives: Asking Questions; Introduction to Italian Culture and Daily Language.

**KOZ 401 Cosmetic Preparations** **2+0 3,0**

Skin, Definition and History of Cosmetics; Classification of Cosmetics: Preparations Applied to Skin, Preparations Applied to Oral Mucosa, Preparations Applied to Hair, Preparations Applied to Nails; Ingredients Used in Cosmetics; Cosmetic preparations: Emulsion Cream, Skin Cleansing Preparations, Masks, Peeling and Exfoliating Preparations, Skin Toning Preparations, Moisturizing and Softening Preparations, Soaps, Bath Preparations, Body Shampoos, Baby Preparations, Body Deodorants, Antiperspirant Preparations, Sun preparations, Make-up preparations, Manicure preparations, Hair preparations, Oral and dental care preparations, Skin antiaging preparations.

**KOZ 403 Cosmetic Preparations** **2+0 3,0**

Skin, Definition and History of Cosmetics; Classification of Cosmetics: Preparations Applied to Skin, Preparations Applied to Oral Mucosa, Preparations Applied to Hair, Preparations Applied to Nails; Ingredients Used in Cosmetics; Cosmetic preparations: Emulsion Cream, Skin Cleansing Preparations, Masks, Peeling and Exfoliating Preparations, Skin Toning Preparations, Moisturizing and Softening Preparations, Soaps, Bath Preparations, Body Deodorants, Antiperspirant Preparations, Sun preparations, Make-up preparations, Manicure preparations, Hair

preparations, Oral and dental care preparations, Skin antiaging preparations.

**KÜL 105 History of Culture** **2+0 3,0**

Culture History in General: Culture as all told humans all activities, Culture as the source of value ideas Culture and Civilization: Civilization as one value Criterion of Culture; Relationships between language and History facts with Culture. Art as cultural fact. Art in context of idea Culture; History of critical idea and development of Art, Art and Cultural Geography; Development of Art in various stages of Culture History; Modern Culture History perceptiveness and Art.

**KÜL 199 Cultural Activities** **0+2 2,0**

Participating Actively or as a Spectator in Sports Activities; Participating in Activities Arranged by the Counseling Center; Participating in Workshops in Art; Education on Museums; Participating in Art Trips; Participating in Cultural Trips; Participating in and Taking Duty in activities such as Cinema, theatre, scientific Meeting etc.; Taking duty in Clubs; Being a Student Representative and Participating in Environmental Activities.

**MAT 195 Calculus** **3+0 3,0**

Algebraic Numbers; Correlation; Functions and Their Types; Definition Set; Limit and Continuity; Right and Left Side Limits and Continuity; Special Limits; Indefinite Forms; Derivative - Derivable Functions; Derivatives of Invert and Parametric Functions; Tangent; Normal; Sub tangent; Subnormal Lengths; Mean Value Theorem; Graphic Drawing; Parametric; Polar Equations-Their Drawings; Definite and Indefinite Integrals; Mean Value; First and Second Basis of Integral Calculus; Volumes and Areas of Solids of Revolution; Length of Curve; Moments-Mass Center; Pappus Theorems; Moment of Inertia.

**MEK 104 Statics Strength of Materials** **3+0 4,5**

Introduction to Mechanics; Static of Rigid Materials; Truss Systems; Distributed Forces; Center of Gravity; Analysis of Structures; Forces in Beams and Cables; Method of Virtual Work; Friction; Mechanical Properties of Materials; Linear Elasticity; Hooke's law; Moments of Inertia; Bending Moment.

**MİM 104 Construction Elements** **2+2 4,0**

Concepts Related to Construction; Foundations: Function and Types; Floors: Function and Types; Walls: Function and Types, Openings in the walls; Windows: Function and Types; Doors: Function and Types; Roofs: Function and Types, Roof constructions, Roof covering materials, Gutters and rainwater pipes; Chimneys: Function and Types; Stairs, Ramps and Lifts: Function and Types.

**MİM 110 Introduction to Architecture** **2+0 2,0**

What is Architecture? Who is an Architect?; Thought of Architecture and Its Field of Activity; Specialization in Architecture; Non-solid Elements of Architecture; Culture and Architecture; Art and Architecture; History and Architecture; Economy and Architecture; Technology and

Architecture; Relationship between Architecture and Engineering; Furniture and Architecture.

**MİM 115 Introduction to Architectural Design I** 2+4 5,0  
Introduction to Spatial Concepts Definitions in Architecture; Basic Understanding of Qualities and Physical Elements That Construct and Define Architectural Spaces; Human Dimensions, User Requirements, Human-Environment Relationships, Architectural Planning Process (Programming-Designing-Application-Using) Understanding of Relationship Between Needs and Spatial Organization; Full Comprehension of Scale and Proportion; General Understanding of Structure in Architecture and Basic Knowledge of the Environmental Conditions and Qualities.

**MİM 116 Introduction to Architectural Design II** 2+4 5,0  
Understanding Physical Environmental Qualities; Analysis of Natural and Artificial Qualities of Place-Climate-Topography-Environment; Place-Structure-Space Relationships of a Building with Physical and Socio-cultural Qualities; Experience of a Design Process in Line with Program and Material+Structure+Performance Criteria.

**MİM 117 Basic Design I** 2+4 5,0  
General Design Information and Concepts: Point, Line, Plane; Point-Line Issues; Point Applications, Line Applications; Axis and Direction; Effects of Axis and Direction in Architectural Design; Forms in the Nature; Color-Texture, Light-Shadow, Measurement, Rate Issues; Basic Design Principles.

**MİM 118 Basic Design II** 2+4 5,0  
Design Organization Principles; Destruction of Basic Forms; Deformation of Basic Forms; Processing of Basic Forms; Transformation of Basic Form Processing; Analogy in Processing of Basic Forms; Creative Methods in Design; Design Studies on Three Dimensional Structures.

**MİM 119 Architectural Presentation** 2+4 5,0  
Writing and Drawing Exercises; Definition of Design Geometry and Technical Drawing: Drawing plans in architecture, Drawing elevations, Drawing sections, Scaling in architectural projects, Dimensioning architectural drawings; Intersection of Lines, Opposite Lines, Free Hand Sketches; Perspective Drawings: Axonometric, Isometric, Single vanishing point, Double vanishing point.

**MİM 120 Computer Applications in Architecture** 2+2 3,0  
Introduction to Information Technologies; Information Age and Information Society; Concept of Algorithm: Definition, Principles of algorithm; Basic Elements of Computers; Hardware and Software; Software Hierarchy, Operating System; Presentation Programs; Internet Usage; Office Applications; Computer Graphics and Presentation Techniques.

**MİM 131 Design Information** 2+2 4,0  
Visual Expression of Form in Design; Basic Concepts, Elements and Principles of Art; Elements and Principles of Composition, Their Functions, and Their Relations with Each Other; Looking, Seeing, Perceiving, Analysis; Introduction to Composition: Emptiness-fullness, Balance, Contrast-convenience, Movement in composition, Description of size and proportion elements, Practices with composition principles and elements by collage techniques, Relations between surface and volume; Linear Expression of 3D Geometric Forms: Forming composition, Relation between piece and whole, Linear animation, Light and shade studies, Use of different lines; Knowledge of Color: Definition of color, Color systems, Use of color; Color-Form-Space Relations in Shop Window Design: Defining and identifying needs, Choosing materials, Space organization.

**MİM 211 History of Architecture I** 2+0 3,0  
Concepts and Theoretical Framework; Role of Architectural History in Architectural Education; Pre-historic Period; Architecture in the Neolithic Period, First High Civilizations, Architecture of Mesopotamian Civilizations, Architecture of Ancient Egypt, Architecture of Crete, Anatolian Civilizations and Their Architecture: Hittites, Urartian, Phrygian, Western and Mediterranean Civilizations, Greek Architecture, Roman Architecture, Byzantine Architecture, European Medieval Architecture: Romanesque and Gothic.

**MİM 212 History of Architecture II** 2+0 3,0  
Rebirth: Renaissance and its Architecture; Baroque Architecture; 18th Century: Search for Style; 19th Century: Industrialization and Eclecticism; Formation of Modern Architecture in the 20th Century; Pioneers of Modern Architecture and their Works: Walter Gropius; Frank Lloyd Wright; Mies Van der Rohe; Le Corbusier.

**MİM 214 Structural Analysis I** 3+0 3,0  
Description of Mechanics; Statics of Particles; Planar Equilibrium of Particles; Rigid Bodies, Equivalent Force Systems; Equilibrium of Rigid Bodies; Load Types and Support Responses; Analysis of Structures; Structural Trusses; Internal Forces; Weight Centers; Moment of Inertia; Stress Analysis; Mohr Circle Method in Uniaxial Tension; Biaxial Strain; Plane Strain.

**MİM 215 Model Making** 2+2 3,0  
Basic Concepts of Model Making; Data Required for Model Making; Properties of Models in Various Scales; Model Making in a given Scale, Techniques of Model Making in Scale of 1/50; Techniques of Model Making in Scale of 1/100; Techniques of Model Making in Scale of 1/200 and 1/500; Classification of Models; Models for Different Purposes; Models by Their Properties; Models by Their Colours.

**MİM 224 Architecture and Philosophy** 3+0 3,0  
The Concept of Object from Plato to Baudrillard; Epistemological Relations between Subject and Object; Historical Evolution of Importance and Meaning Attributed to Object and its Predicates; Effects of Economic and Social

Structure; Influence of Theories in Design Practice; Theory of Platonic Forms; Aristotle's Concept of Techne?; Emergence of the Cartesian Subject; Empiricism and Doubt; Marx and Alienation; Ideology and Power; Heidegger and Techne?; Semiotics; Postmodern Discourse on Object and Subject; Simulation Theory.

**MİM 239 Architectural Design Project I** 4+8 9,0  
Bringing Solutions and Alternatives to an Architectural Design Problem in an Integrated and Systematic Context with Space Concepts; Evaluating Design Problems from Different Aspects and Developing Multiple Alternatives; Organization of Researches-Presentations-Seminars to Learn and Use Architectural Terminology and Concepts; Reading and Evaluating Built Environment from Technical and Conceptual Points of View; Evaluating Contemporary Architectural Productions and Approaches.

**MİM 240 Architectural Design Project II** 4+8 9,0  
Working on Multiple Architectural Design Problems and Issues to Improve the Skills for Using and Evaluating in the Creative Process with the Concepts of Scale, Territory, Place, Material, Scenario, Program, Identity, Function and Structural Constructs; Organizing Seminars, Lectures and Presentations to observe and Discuss these Concepts on Contemporary Examples; Developing Alternative Solutions to Design Problems on Different Scales and Details; Working on non-Complex Structural Designs and Incorporating Technical Data.

**MİM 241 Physical Environment Control I** 2+0 2,0  
Concept of Physical Environment and Elements of Building Physics; Basic Principles of Solar Control; Heat and Temperature; Thermal Comfort; Heat and Humidity; Climate and Its Elements; Heat Transfer from Building Envelope; Thermal Design in Building; Architectural Acoustics (Building and Room Acoustics), Sound and Noise, Physical Events of Sound; Noise, Indoor and Outdoor Noise Sources; Basic Principles on Noise Control.

**MİM 242 Physical Environment Control II** 2+0 2,0  
Room Acoustics; Sound Absorption and Reflection; Sound in the Open and Closed Area; Acoustical Design in Architecture; Reverberation Time; Lighting; Visual Perception; Vision and Light; Object and Light; Illuminance Concept; Quantity and Quality of Lighting; Daylighting; Natural and Artificial Lighting; Relationship Between Lighting System and Architectural Design; Color Design; Using Color in Architecture.

**MİM 243 Building and Construction Methods I** 2+2 5,0  
Evolution of Concrete and Concrete Buildings; Structural Behavior of Concrete Elements; Structure and Building Loads; Design Criteria for Concrete Framed Structures; Elements of Concrete Framed Structures: Foundation, Floors, Stairs; Wall Design; Exterior Wall Design: Wall types and Assemblies; Drawing a Wall Section: Points to consider, Drafting guidelines; Reinforced Prefabricated Buildings; Application Systems; Assembling Techniques of Panel Facade Elements and Joint Analysis.

**MİM 244 Building and Construction Methods II** 2+2 5,0  
Steel in Architecture; Evolution of Steel Structures; Steel-Framed Structures: Developments and Achievements; Example of Steel-Framed Buildings; Principles of Design and Construction: Fundamentals of planning, Load bearing systems, Columns, Bracing, Flooring systems; Steel Stairs; External Walls: Curtain walls, Facade claddings; Internal Walls: Glass walls, Suspended ceilings, Raised floors; Roofs: Glass roofs; Corrosion and Protection, Fire Protection; Wood in Architecture: Wood Construction Components; Principles of Design and Construction: Fundamentals of planning, Load bearing systems, Bracing, Floor structures, Construction of floors, Integration of building structure with building insulation, Wooden stairs; External Walls and Facade Claddings; Internal Walls Construction; Roofs.

**MİM 245 Building Materials** 3+0 3,0  
Main Characteristics and Classification of Building Materials; Natural Stone Building Materials: Their classification, Main characteristics, Use in buildings; Wooden Building Materials: Classification, main characteristics, use in buildings; Adobe and Brick Building Materials: Classification, Main characteristics, Use in buildings; Aggregates: Classification, Main characteristics, Use in buildings; Lime, Gypsum and Cement: Classification, Main characteristics, Use in buildings; Mortar and Concrete Building Materials; Ceramic Building Materials; Glass Building Materials; Metal Building Materials.

**MİM 256 Art and Architecture Terms and Definitions** 3+0 3,0  
Introduction: Scope of the Course; Drawing Terminology in Historical Buildings: Plan, Section, Elevation; Architectural Surveying; Restitution; Building Types and Architectural Elements of Prehistory; Building Types and Architectural Elements of Greek and Rome Architecture, European Building Types and Architectural Elements from Byzantine and Middle Age to Industrial Revolution; Building Types and Architectural Elements of Anatolian Seljuk and Ottomans; Concepts: Styles in Architectural History; Terms and Definitions of Modernism and Post Modernism.

**MİM 312 Traditional Turkish House** 3+0 3,0  
Development of House Design in Anatolia; House Designs by Geographical Regions; Influence of Traditional House Design in Urban Design; Social, Cultural and Regional Components: Life Style, Social Structure, Cultural Characteristics; Economic Formation; Effective Factors in Creation of Traditional House Design; Materials and Construction Techniques; Facade Design and Functional and Physical Design; Interpretation of Traditional House Design with Present Day Facts and Factors.

**MİM 315 History of Architecture III** 2+0 3,0  
Criticism of Modern Culture, Architecture and City; Theories and Approaches to Culture/Art/Architecture after the Second World War; Postmodernism and Culture/Art/Architecture; Postmodern Architecture and History; High-Tech and Technology; Neo-Rationalism and Urban Morphology; Post-Structuralism and Deconstruction;

Regionalism and Question of Cultural Identity; Ecologic Architecture and the Concept of Sustainability; Problem of Form in Architecture and Non-Standard Architecture.

**MİM 316 History of Architecture IV** 2+0 3,0  
Turkish Architecture: Terminology, Concepts and Theoretical Framework; Architecture of Saltuks, Architecture of Danishmends, Architecture of Mengujeks, Architecture of Artukids, Architecture of Anatolian Seljuks, Architecture of Anatolian States, Early Ottoman Architecture, Classical Ottoman Architecture, Late Ottoman Architecture.

**MİM 318 Architectural Design Theories** 3+0 3,0  
Introduction: Aim, scope and content of the course; Historical Relationship Between Architectural Thought and Product I; Historical Relationship Between Architectural Thought and Product II; Architectural Design Theories in the Ancient Age; Architectural Design Theories in the Middle Age; Architectural Design Theories in Renaissance; Architectural Design Theories in the 17th and 18th Centuries; Architectural Design Theories in the Industrial Age; Modern Architecture Design Theory; Postmodern Architectural Design Theories I; Postmodern Architectural Design Theories II; Architectural Design Theories in the Contemporary Turkish Architecture; Criticism of Contemporary Architecture.

**MİM 321 Structural Analysis II** 3+0 3,0  
Introduction to Structural Systems and Categories; Carrier Internal Forces of Structural Elements (Cross-Sectional Effects) and Signal Assumptions; The Plane Equilibrium Differential Equations of Bar Elements; Simple Beam and Beams in the Console, Console Loads of Beams and Determination of Internal Forces; Specified Beams; Concrete and Steel Materials; Floor Slabs, Load Analysis of Floor Slabs; Beams, Load Analysis of Beams; Columns; Mats; Determination of Earthquake Loads; Reinforced Computing after Determination of Earthquake Loads.

**MİM 323 Architectural Design Project III** 4+8 9,0  
Dealing with Architectural Design Problems in Different Production Processes; Exploring Different Layers and Concepts of Space with Various Scale and Details on Structural Systems; Materials and Construction System Alternatives; Analysis and Simplification of Complex Design Problems; Evaluating Design Data and Transition between Solutions for Different Scales.

**MİM 324 Architectural Design Project IV** 4+8 9,0  
Bringing Alternatives to a Complex and Multi-Functional Architectural Design Problems in a Historical Urban Environment Area; Investigating the Dynamics of Form and Tectonics of These Historical Urban Areas; Working on Analysis and Synthesis of These Urban Dynamics as a Systematic Whole; Exploring the Possibilities, Contributions and Problems of Proposed Alternatives; Exploring Different Materials, Details, Structure-Constructions and Systems Through Series of Seminars and Discussions in the Studio; Examining Relations between Context and Space on

Contemporary and Historical Examples, Discussions on These Issues in Seminars and Presentations.

**MİM 325 Building Acoustics** 3+0 3,0  
Building and Room Acoustics; Noise and Its Causes; Sound and Sound Components; Physical Events Related to Sound; Noise; Harmful Effects of Noise; Indoor and Outdoor Noise Sources; Basic Principles on Noise Control; Acceptable Noise Levels; Noise Control Standards and Regulations.

**MİM 326 Room Acoustics** 3+0 3,0  
Basic Principles of Sound and Hearing; Sound Field Differences Between Open and Enclosed Spaces; Sound Absorption and Reflection in Rooms; Room Acoustical Parameters; Reverberation and Reverberation Time; Acoustic Design in Architecture; Acoustic Defaults and Precautions in Rooms.

**MİM 328 Housing During Republic Period** 3+0 3,0  
Traditional Turkish Settlements; Features of Traditional Turkish Houses; Effects of Westernization on Housing; Housing in the Early Republican Period; Effects of Modernity on Housing; Housing during World War II; Housing and Integration with the International System; Housing of Pluralism; Solution Seeking for Housing Problems; Housing during Post-Modern Period; Student Presentations I; Student Presentations II.

**MİM 329 Architectural Conservation I** 2+0 2,0  
Definition of Cultural Heritage and Its Conservation; History of Architectural Conservation and Approaches to Conservation; Conservation Legislation in Turkey; National and International Developments in Conservation Processes; NGOs Active in Conservation Projects of Cultural Heritage.

**MİM 330 Architectural Conservation II** 2+2 4,0  
Components of the Conservation Process: Contemporary Conservation Approaches; Physical Aspects of Conservation Process: Variety in material utilization, Decays of material, Construction techniques and technologies, Interventions; Social Aspects of Conservation; The Risk in Conservation Process; Documentation Process of Conservation.

**MİM 334 Approach to Dwelling Design** 3+0 3,0  
Evaluation of Shelter and Dwelling from Past to Present: The Impact of industrial revolution on dwelling design, Spaces of dwellings in utopias, Dwelling in modernism; Evolutions in today's dwelling design; Different Design Approaches (participatory design, open architecture, flexibility); Different Interpretations in Different Architectural Tendencies; Discussions about the Stages of Dwellings and Dwelling Regions from past to present in the Light of Values such as Spatial Design, Character, Identity, etc.

**MİM 335 Building Services System** 3+0 3,0  
Heating Systems: Thermal installations, Energy sources, Heat transfer mechanisms, Direct heaters, Central heating, Boiler, Fuels, Room emitters, Control of heating installations; Ventilation Systems: Air tranking, Air distribution systems; Solar Heat Gain: Sun's movement,

Sunlight criteria; Water Supply: Source, Distribution in the house, Distribution in larger buildings; Electrical Supply: Distribution, Domestic buildings, Larger buildings; Gas Supply; Drainage: Design principles, Drainage above ground, Drainage below ground; Mechanical Transportation; Fire Safety.

**MİM 336 Urban History in Anatolia** 3+0 3,0  
Definitions and Concepts; Settlements in the Neolithic period; Emergence of Early Cities and States; Ancient Cities: Citizens, Components of cities, Physical Characteristics of Cities; Byzantine Cities: Citizens, Components of cities, Physical characters of cities; Seljukid Cities: Citizens, Components of cities, Physical characters of cities; Ottoman Cities: Citizens, Components of cities, Physical characters of cities; Theoretical approaches.

**MİM 337 Timber Structures** 3+0 3,0  
The Characteristics of Timber: Biological structure, Chemical structure, Physical properties; Timber and Architecture: Horizontal timber elements in timber mass buildings, Timber structural systems; Developments in the 20th century; Timber skeleton systems: Constructional principles of structural systems, Basic constructional elements, Second constructional elements; Regulation on Timber structures; Different designs for timber skeleton structures.

**MİM 341 History of Housing in Anatolia** 3+0 3,0  
Definition and Concepts; Accommodation and Physical Environment; Houses in the pre-historical period, Housing and settlement-the Neolithic period, Emergence of houses and cities: Calcolithic and Bronze Age; Houses in the Ancient Period; House in the Byzantine Period; Turkish Houses in Anatolia: Houses in Anatolian Seljukids, Houses in the Ottoman period; The Concept of Traditional Houses and Theoretical Approaches: Origins of traditional houses, Climate, Materials, Traditional and regional properties, The Concept of history in 1950s and Sedat Hakkı ELDEM, Doğan KUBAN, Ayda AREL, New Approaches; Tradition and Modernization in House Architecture.

**MİM 343 Building Application Project** 2+2 5,0  
A Project Whose Structural System is Reinforced Concrete, Wood or Steel Frame System; Analysis of the Structural System (Reinforced Concrete, Wood or Steel Frame System); Dimensioning Building Elements; Analysis and Details of Material Properties; Drawing the Project Drafting Rules.

**MİM 345 Architecture and the Media** 3+0 3,0  
Analysis of Media on Architecture; Media Coverage of National and International Issues Related to Architecture; Reflections of Contemporary Architecture Discussions in Turkey; An Inquisitive Approach to Architecture; Role of Media in the Relationship Between Architecture and Quality.

**MİM 350 Prefabrication** 2+2 3,0  
Principles of Modular Coordination and Planning: Modular coordination, Basic module, Joints and tolerances; Prefabrication and Industrialization: Development of

Prefabrication, Industrialized construction methods, Classification of Prefabrication Methods; Production methods: Analysis of production, Pretension procedure, CAD/CAM aided production; Variety in Prefabricated Structural Systems: Framed system, Panel system, Box frame (cellular) system, Composite system, Prefabricated element joints; Precast Claddings: Design, Production and Assembly, Types of Joints; Precast Floorings; Precast Stairs.

**MİM 354 Landscape Design in Architecture** 3+0 4,5  
Basic Principles of Landscape Design, Basic Principles in Use of Design Materials in Landscape Architecture: Planning Site, Texture and Light, Color, Location, Shape, Axis, Dimension; Defining parts of Plants; Ecological Necessities of Plants; Basic Principles of Using Plants in Landscape Design: General Principles of Plant Use, Principles of Using Cover Plants (pasture and lawn), Principles of Using Mosaic Plants, Principles of Using Fence Plants. Principles of Using Trees, Principles of Using Shrubs, Principles of Using Hedera and Pergola Plants.

**MİM 360 Distance Education in Architectural Design** 3+0 4,5  
Distance Education, Information Technology, ICT, E-Design, Synchronous E-Design, Asynchronous E-Design, Participatory Design Method, Definitions; Content in Architectural Design: Participation Processes, Decision-Making Process, Organization; Information Technology in Architectural Design Process, Involvement of Distance Education Technology; Active Participation, Different Techniques and Processes, Examples, Practices.

**MİM 366 Conservation Theories** 3+0 3,0  
Development of Conservation Idea and its Theoretical Base: The concept of conservation, Theory of historical and contemporary restoration; Values to be Conserved and Evaluation Criteria: Conservation of a historical environment, Conservation criteria; Pre-Restoration Process: Historical and archaeological research, Art history and technical research, Legal status of monuments; Restoration Techniques: Consolidation, Reintegration, Renovation, Contemporary addition, Reconstruction, Cleaning, Moving, Archaeological restoration; Designing a Restoration Project.

**MİM 401 Interior Design I** 2+2 4,5  
Introduction to Interior Design; Definition of Space: Outer and inner spaces; Architectural Concepts: Problems and Solutions for Houses: Presentation, Furniture, Colour, Lighting and features of materials; Perspective: Eye level and other features, View point and its properties, Height in Perspective, Interior perspective, Shading: Shadow of objects and candle lighting shades.

**MİM 402 Interior Design II** 2+2 4,5  
Introduction to Furniture Design: Structure of furniture, Function and dimensions of furniture, Details of furniture, Materials of furniture, Equipment and lighting, Applications, Relationship between exterior spaces and interior spaces, Harmony in architectural aesthetics, Harmony in structure; Criteria in office furnishing: Safety, Project management, Project approval and Final modifications.

**MİM 406 Construction Management and Cost Analysis** 3+0 3,0

Introduction to Construction Management; Jobsite Organization; Project Planning Techniques and Jobsite Applications; Construction Contracts, Management Techniques, Construction Safety and Jobsite Safety Management, Risk Management; Web-based Project Management and e-Construction Management; Subcontractor Management; Construction Equipment Management; Introduction to Construction Cost; Basic Definition of Cost Analysis Terms; Blue-Print Reading; Quantity Takeoff; Bidding Law-Procurement and Applications; Optimum Proposal Preparation; Bonds, Final Cost Analysis, Project Acceptance, Feasibility Studies.

**MİM 419 History of Architecture V** 2+0 3,0

Pre-Republic Period Turkish Architecture under the Effect of Western Architecture; First Nationalistic Architecture Period; First Period of Modern Architecture I ? Period of Foreign Architects; First Period of Modern Architecture II ? Period of Turkish Architects; Second Nationalistic Architecture Period; Architecture of Sedat Hakkı Eldem; 1950-1980 Period I ? Second Period of Modern Architecture; 1950-1980 Period II ? Importance of 1960s and its Reflections to Architecture; 1950-1980 Period III - Architecture of 1970s; Architecture after 1980 I; Architecture after 1980 II; Architecture of Today.

**MİM 421 Accessibility for All** 2+2 4,5

Architecture, Accessibility for all and built environment; Built Environment, Users and Mobility Equipment; Accessibility and Usability in a Built Environment; International Norms and Standards for Accessibility; Anthropometrics, Heights of fixtures and fittings, Horizontal and vertical circulation, Sanitary facilities, Accessibility of outdoor spaces, roads, pavements, car parking; Practise and Problems of Universal Design; Disabled People and Legal Conditions.

**MİM 422 Architecture and Ecology** 2+2 3,0

Ecology and Ecosystem Terms; Sustainable Design; Integration of Ecosystem Concepts and Ecological Considerations with Design Applications; Balance between Environmental Issues and Functional, Structural and Aesthetic Principles; Reinterpretation of Existing Life and Design Habits: Codes, rules and regulations; Creation of ecological design codes, Examples at International, National, Local Level.

**MİM 423 Ecological Planning and Design** 2+2 3,0

Sustainable Architecture, Ecological terms and principals; Renewable Energy Sources; Fossil Fuel Consumption and Environmental Problems; History of Solar Energy - Architectural Design Relations; Passive Solar Energy in Architecture; Active Use of Solar Energy in Architecture; Wind Energy; Low Energy Building Design; Ecological Settlements.

**MİM 425 Architectural Design Project V** 4+8 9,0

Developing Analytical and Systematic Approaches to Solve an Architectural Design Problem Consisting of Multi-

Functional and Diverse Contexts; Studying Different Architectural Design Processes; Studying Design Problems Requiring Fast Productions; Creating and Presenting Collective Solutions to Design Problems; Organizing Researches, Excursions and Seminars to Understand the Fundamentals of Multidisciplinary Nature of Architectural Practice; Developing and Enhancing Control over Different Scale and Contextual Problems (Structure, Construction Systems, Context, User-Environment).

**MİM 426 Architectural Design Project VI** 4+4 10,0

Defining an Architectural Design Problem, Creating the Program, Analysis and Synthesis of Contextual and Physical Problems; Defining Suitable Approaches, Priorities and Strategies of the Architectural Problem; Use of These Strategies and Concepts in Spatial Relations and Forms; Developing and Presenting Design Proposals with Aesthetic and Technical Values; Developing Original and Creative Architectural Approaches at the End of Design Processes.

**MİM 427 Architectural Design Analysis** 3+0 3,0

Architectural Design; Definition and Organization of Space: Interaction between space and place, Space, environment and place, Problems of built environment and built environment analysis, Research methods for architectural space analysis; An Experimental Space Analysis Model: Investigation of historical axes of Istanbul, purpose and scope of space analysis, Definition of urban space structure, Interaction among environment, culture and space, suggestions for analysis, examples, Evaluation of the model.

**MİM 430 Landscape Design** 2+2 4,5

Basic Principles of Landscape Design, Basic Principles in the Use of Design Materials in Landscape Architecture: Texture and Light, Color, Location, Shape, Axis, Dimension; Use of Plants in Landscape Design; Ecological Requirements of Plants; Basic Principles of Using Plants in Landscape Design: General Principles of Plant Use, Principles of Using Cover Plants (pasture and lawn), Principles of Using Mosaic Plants, Principles of Using Fence Plants, Principles of Using Trees, Principles of Using Shrubs, Principles of Using Climbing Plants, Landscape Construction, Grading.

**MİM 432 Contemporary Structure Systems** 2+2 4,5

System Definition and Classification of Structures; Need for Modern Structures; Long Span Structures: Folded Slab Structures, Curvature Shell Structures; Space Truss Structures: Flat Truss Systems, Barrel Vaulted System, Dome System; Tensile Structures: Steel Cabled Shells, Membrane Shells, Accessories, Roof Shapes, Cable Systems, Tent Systems, Forms of Tensile Structures; Pneumatic Structures: Low Pressurized Systems, High Pressurized Frame Systems.

**MİM 434 Design Criteria of Cultural Buildings** 3+0 3,0

Library Buildings; Exhibition Spaces; Design Principles for Exhibition Spaces and Sample Applications, Project Analysis and Design, Modeling, Museum Buildings: Design principles for museum buildings and case analysis, Project, Theatre Buildings: Design principles for theatre buildings, Examples of analysis and practices, Opera and Concert

Halls: Design criteria, Examples of analysis and practices; Sitting and stage parts of halls and design criteria, Examples of analysis and practices; Analysis of a Given Case: Spatial design and process, Evaluation, Representation, Generating a model; Approaches to the Design of Cultural Buildings; Modeling and Representation.

**MİM 454 Building Design in the Historical Environment** 3+0 3,0

The Concept of Historical Environment; The Concept of New and Historical Environment; Integration of New Environment with Historical Environment; Design in a Historical Environment; The New Material; Renovation; The New Function; Urban Transformation; Addition to a Building; Addition to a Historical Environment; the New Building; Analysis of Different Approaches by Examples.

**MİM 470 Material and Structure Problems in Old Buildings** 2+2 4,5

Types of Materials and Structures Used in Old Buildings; Characteristics of Materials and Structures Used in Old Buildings, Man-Caused Effects and Problems, Biological Effects and Problems, Mechanical Effects and Problems, Water Effects and Problems; Moisture Effects and Problems, Thermal Effects and Problems, Physio-Chemical Effects and Problems.

**MİM 471 Urban Landscape** 3+0 3,0

What is urban landscape?; Emphasizing the historical developments in urban landscape; The spatial quality; Scale and texture of cities; Urban form as a composite of building typologies; Public domain; Infrastructure; Assessment of the measure of the design's impact on landscape, building and garden; Plan configuration, spatial form, appearance, route; Program and Meaning; Synthesis; Assessment tasks as international case studies, seminar and major research paper.

**MİM 483 History of Modern City** 3+0 3,0

Concept City and its Historical Development; Historical Relation between Civilizations and Cities; Features of Cities Before Industrial Revolution; Formations that Led to the Modern Age; Modernism as Cultural and Intellectual Period in the History of Mankind; Beginning of the Modern Period; Reflections of Baroque Period and Urban Planning; Principles in the Urban Space; Industrialization and the Physical and Spatial Structure of the Industrial City; Suggestions and Utopias for the Modern Urban Design; Modern Cities in Europe and America; Modernisation Efforts in the Cities of Developing Countries and the Consequences; Problems in Contemporary Urban Design and the Post-modern Conditions.

**MİT 301 Mythology** 2+0 2,5

Mythology and Iconography; Mythos; Similarities and Differences Between Mythos and Historical Facts; Identification of Common Cultural Heritage; Near Eastern Mythology; Egyptian and Greek Mythology; Creation of Universe; Creation of Man; Olympian Gods and Goddesses; Heroes and Regional Legends; The Reflections of Myths in European Paintings and Sculpture.

**MİT 304 Mythology and Iconography** 2+0 3,0

Description of Panofsky's iconographical analysis; Evaluation of basic sources with Byzantine and European paintings; Iconographical analysis of European paintings which consist of some stories from Old Testament and the Bible; The Prophets of the Old Testament and their life stories; The Bible: Virgin, John the Baptist, and the life of Christ; to examine this subject with the paintings.

**MLZ 219 Material Science** 2+0 3,0

Physical and Chemical Properties of Materials; Processing Options; Introduction of Materials; Technical Properties of Materials; Detailed Physical Properties of Materials; Production, Shaping, Conservation of Materials and Consuming Fields; Essential Materials: Wood, Glass, Stone, Earthenware, Metals, Plastics, Weavings, Ceramics, Organic and inorganic materials.

**MOD 103 Introduction to Design** 2+2 5,0

Linear Expression of Basics Form in Nature: Study in Drawing Objects, Forming Composition, Measurement and Rate, Reference Points, Use of Helping Lines, Linear Perspective, Relations Between Surface and Volume; Linear Expression of 3D Geometric Forms, Forming Composition, Relation Between Piece and Whole, Linear Animation, Light and Shade Studies, Use of Different lines; Knowledge of Color: Definition of Color, Color Systems, Use of Color.

**MOD 107 Drawing and Painting** 2+2 5,0

Color: Color relations, color contrasts, color harmonies, color mixtures; Observation based drawing principles: color perspectives, line perspectives, plan and proportion; interpretation by landscape, interpretation by still life, figurative interpretation by interior spaces, interpretation by objects, proportions in drawing, measure, plan concept, plan relations in geometric volumes, plan relations in live model applications, plan relations in interior space and outer space; Techniques and figure drawing: different lines, different lines relations, potential of different drawing material.

**MOD 112 Presentation Techniques** 2+2 4,0

Presentation of Materials; Presentation of Equipment in Presentation Techniques; Painting Techniques: Gouache, Crayon, Marker, Colored Pencils, Water Color Techniques; 3D Animation in Fashion Design: General Perspective Principles, Light, Shade, Reflection, Painting; Choice of Appropriate Material to The Technique and Practice, Surface Practice; Appearances of Materials in Various and Different Plans and Scale. Presentation Techniques in Fashion Design and Practicing Features. Practices on Color and Material.

**MOD 113 Figure Drawing I** 2+1 4,0

Main principles of figure drawing: Proportion, form and composition in figure, geometrical figure drawing, cubic form in figure, motion plans in figure, plaster, bust and torso drawing; The main principles of portrait drawing: Portrait drawing, live model drawings: male, female, child figure drawing, drawing moving figures, sketching techniques, figure-cloth relations, integration of figure and cloth.



**MOD 114 Figure Drawing II 2+1 4,0**

Model Drawing: Plaster bust, Torso, Live model drawings; Theoretical Drawing Knowledge: Measurement and proportion, Motion, Perspective, Anatomic structure; Movement Plans on Torsos: Torso drawing, Cubic Form of torso, Geometric, Simplified, Moving and functional figures; Portrait Drawings: Woman, man, kids drawings. Characterization of Figure; Giving Motion to a Figure; Sketching Techniques; Integration of Figure and Cloth, Clothing details: Collar, sleeve, cuff drawing techniques.

**MOD 115 Basic Sewing Techniques I 2+2 5,0**

Machines and Tools Used in the Production of Garments; Machine Using Exercises; Materials Used in the Production of Garments and Features of These Materials; Definition of Felling and Its Types: Where felling is used, Applications with types of felling; Edge Cleaning and Blind Stitch Techniques: Edge cleaning types, Applications with edge cleaning types; Buttonholing - Button Sewing Techniques; Ironing Processes.

**MOD 116 Basic Sewing Techniques II 2+2 5,0**

Information on the Production of Cloth Details: Lining techniques and applications, Cuff sewing techniques and applications, Zipper sewing techniques and applications, Collar sewing techniques and applications, Band sewing techniques and applications, Pocket sewing techniques and applications; Use of Sewing Techniques in Creative Design.

**MOD 118 Technical Drawing in Clothing Design 2+2 4,0**

Importance of Technical Drawing in Clothing Design; Materials Used in Technical Drawing; Technical Drawing Practices: Types of skirts and their technical drawing, Technical drawing of tops such as blouse, shirt, coat, etc., Types of trousers and their technical drawings, Technical drawing of underwear, Drawing of details such as arm, sleeve cuff, fly, zipper, hook and eye etc.; Measurement and Technical Drawing Plans Ready for Production.

**MOD 119 Basic Art Principles I 4+3 8,0**

Visual Expression of Form in Design; Basic Concepts, Elements and Principles of Art; Elements and Principles of Composition, Their Functions, and Their Relations with Each Other; Looking, Seeing, Perceiving, Analysis; Introduction to Composition: Emptiness-fullness, balance, contrast-convenience, Movement in composition, Description of size and proportion elements, Practices with composition principles and elements by collage techniques.

**MOD 120 Basic Art Principles II 4+3 8,0**

Use of Color with Other Elements of Expression such as Line, Point and Stain; Color and Color Scale; Relation between Color and Form; Color Psychology; Relation between Color and Function; Color Contrasts; Color and Space Relations on a 2D Plane; Structure; Analysis of Geometric Basis of Organic Objects and Their 3D Applications; 3D Form Practices by Using Waste Materials, Organic and Inorganic Approaches.

**MOD 122 Basic Pattern Making 1+1 2,0**

Basic Garments: Basic information for preparing garment patterns, Methods for obtaining patterns; Fitting Systems for Each Type of Garment: Primary and secondary measurements, Measurement calculations, Standard measurements; Basic Skirt Pattern Drawing and Model Applications.

**MOD 124 Clothing Culture 2+0 2,0**

Definition of Clothing Culture; Relationship among Clothing Culture, Nature, Culture and Social Environment; Information on Traditional Clothing; Analysis of Research Data on Local Culture and Clothing; Evaluation of Traditional Clothing; Definition of Fashion; Causes of Fashion Spread; Effects of Traditional Clothing on Fashion; Comparison of examples of traditional clothing and fashion clothing, Variability of clothing culture.

**MOD 201 Fashion Design I 4+4 8,0**

Definition of Fashion Design; Concept of design, Importance of fashion design in the field of design; General Information About Fashion Sector: Textile and ready-to-wear clothing, Haute Couture clothing; Notion of Fashion Designer; Basic Terms of Fashion Design; Principles and Methods; Design Process in Fashion; Related Documents; Introduction of Tools; Detail Studies in Clothing; Technical specifications, Texture studies.

**MOD 202 Fashion Design II 4+4 8,0**

Applications of Principles and Methods Related with Fashion Design; Creation of Design Criteria in Fashion Design; Identifying, Research, Determining the Target Market, Choosing a Theme, Identifying the Material, Creating a Storyboard; Sketching; Solution of Details; Color-Form Relation; Pattern-Model Applications: Two dimensional design, Creating a sample product; Presentation of Design.

**MOD 203 Pattern Application I 2+2 4,0**

Basic Pattern of Female Body; Body Pattern, Arm Pattern, Application of Collar Pattern; Pleats and Position of Pleats; Removing and Getting Rid of Pleats on Basic Body Pattern: Blouse- Shirt Patterns and Their Model Applications; Basic Drawing of Trousers Pattern and Model Applications.

**MOD 204 Pattern Application II 2+2 4,0**

Women's Top Clothing: Jacket, Coat; Basic Patterns; Preparing Arm and Collar Patterns and Their Model Applications; Using Models in Jacket and Coat Basic Patterns.

**MOD 211 Professional Application Techniques 2+2 4,0**

Introduction of Tools and Machines Used in Cloth Making; Technical terms and concepts, Sewing machines, Printing machines, Cutting machines; Basic Sewing Knowledge; Maintenance and Usage of Tools and Machines; Cloth Forms: Applying pattern to fabric, Cutting and sewing processes.

**MOD 215 Color Theory 1+1 2,0**

Color and Properties: Definition of color, Types of color, Hue, Saturation; Visual Effects of Color: Light, Matter, Visual analyzing; Color Combinations: Basic colors and secondary colors, Color harmony, Psychological Effects of Color; Properties of Color: Hue and saturation, Light and Shadow, Color, Light, Shadow, Color Concept: Color Analysis in Design; Color in Designers and Customers Point of View.

**MOD 216 Ornamental Arts and Application 2+1 3,5**

Introduction to Ornament Arts: Basic terms and concepts, Definition of ornament arts, Importance of decorative arts in art history; Ornament Arts: Fabric and ornaments, Weaving, Writing, Wood; Turkish Decorative Arts: Gilding, Handwriting, Miniature, Fabric, Ornamenting, Weaving, Metal, Wood, Applications; Application Areas: Printmaking applications on basic clothing elements and analyzing of contemporary designers? applications.

**MOD 218 Fashion Production Application 2+1 3,0**

Manufacturing Processes in Factories and Workshops: Design, Cutting and Assembling processes; Manufacturing Flow Information; Preparing of a Production Pattern; Preparation of Pastal Cutting and Positioning Plans; Preparation of Sewing Plan; Sewing Processes; Post-Sewing Controls; Quality Control; Distribution Process.

**MOD 219 Fashion Illustration I 2+2 4,0**

Definition of fashion drawing: Basic principles and methods in fashion drawing, related documents, equipment, main principles of silhouette drawing: male, female and child silhouette drawings, etude studies from silhouettes of fashion designers, silhouette works from fashion magazines, original silhouette works, main principles in cloth drawing: sketching on ready made silhouettes, fabric-cloth relations: fabric etudes, texture of fabrics, appropriate design for a specific type of fabric, selection of appropriate fabric for a design.

**MOD 220 Fashion Illustration II 2+2 5,0**

Technical drawings in clothing; Working on the details of clothes: collar, pocket, sleeve, skirt, trouser, blouse types and their technical properties, dressing by different age groups and sex, coloring of cloth designs, design and drawing of underwears, design and drawings of outer clothes, Creation of appropriate designs for a selected subject, Creation of a collection.

**MOD 224 Ready-made Clothing Business Management 2+0 3,0**

Establishment of Ready-to-wear Business; Types and Functions of Ready-to-wear Business: Basic information and concepts of management, Establishment stages, Basic functions of firms, Production management in ready-to-wear clothing business, Marketing management in ready-to-wear clothing business, Financial management in ready-to-wear clothing business, Public relations management; Stress; Career; Brand Management; Human resource management in ready-to-wear clothing business; Establishment of a Prototype Firm: Establishment and organizational structure of prototype firm.

**MOD 225 Textile Materials I 3+0 3,0**

Introduction; An Overview of the Turkish Textile Industry; Classification of Textile Fibers; Basic Terminology of Textile Fibers; Chemical Structures of Fibers and Coding System for Fibers; Physical and Chemical Properties of Natural Fibers; Vegetable Fibers; Recent Innovations in Cotton; Wool, Silk and Other Luxury Animal Fibers; Physical and Chemical Properties and Use of Chemical Fibers; Properties and Use of Regenerated Fibers; Physical Properties of Fibers; Introduction to Yarn Production Technology; Classification of Yarns; Yarn Count Systems; Basic Features of Spinning Systems; Sewing Threads; Quality Criteria for Yarns.

**MOD 226 Textile Materials II 3+0 3,0**

Introduction; Classification of Fabrics; General Principles of Knitting Technology and Related Terminology: Comparison of weft and warp knitting, Primary weft knitted structures, Coloured stitch designs in weft knitting, Circular fabric knitting, Flat knitting, Weft knitting machines, and basic weft knitted structures; Introduction to Weaving and Woven Fabric Types: Components of woven fabrics: weft and warp, Preparation for weaving, Basic weaves: plain, twill and satin, General characteristics of weaves, Woven fabric quality, Production of nonwoven structures; General Overview of Technical Textiles.

**MOD 227 Introduction to Computer Aided Design I 3+2 5,0**

Basic Principles of Computer Aided Design and Application Methods: Adobe Illustrator and Photoshop, Design elements and their analyses in digital environments; Digitalizing Designs, Creating Vector Drawings with Basic Clothing Methods; Drawing Sketches and Composition; Relationship Between Design and Color and Design and Texture; Thematic Collages.

**MOD 228 Introduction to Computer Aided Design II 3+2 5,0**

What is Fashion-CAD: Image basics, Tools, Icons, Palettes, Color modes; Creating a Pattern; Model Drawing; Fabric Selection; Color Inspection; Re-Coloring; Details: Processing, printing, pattern, label; Three Dimensional Visualization of Clothes and Fabrics; Project Applications: Determining the design criteria, Assessment with critiques and juries in studio format.

**MOD 301 Computer Aided Fashion Design I 4+2 7,5**

Using Computers as a Tool for Fashion Design; Designing in Virtual Medium; Processing of Digital Images; Vectoral Programs: Using of; Adobe Illustrator, Macromedia Freehand; Drawing Properties; Color Selection; Size and Plan Properties; Scanner Using; Introduction of Pixel Based Programs: Adobe Photoshop, Modacad; Project Applications: Determining Design Criteria; Assessment with Critiques and Juries in Studio Format.

**MOD 302 Computer Aided Fashion Design II 4+2 7,5**

What is Fashion-Cad: Image basics, Tools, Icons, Palettes, Color modes; Creating a Pattern; Model Drawing; Selecting the Fabric; Color Inspection; Re-Coloring; Details:

Processing, Printing, Pattern, Label; Three Dimensional Visualization of Clothes and Fabrics; Project Applications; Determining the Design Criteria; Assessment with Critiques and Juries in Studio Format.

**MOD 303 Fashion Design III 4+4 9,0**

Designing for Different Age Groups: Female, Children; Determining the Design Criteria: Definition, Researching target market, Choosing the theme, Identification of material, Creating the storyboard; Sketch Work: Detail Analyzes; Color-Form Relations; Pattern-Model Applications; Two Dimensional Designs; Producing a Sample Product; Project Applications; Assessments with Critiques and Juries in Studio Format.

**MOD 304 Fashion Design IV 4+4 9,0**

Creating a Style in Fashion Design: Market Analyzes, Determining the target market, Creating style alternatives, Style trials; Synthesis of Trends in Determined Styles; Style Creating Applications in Ready-to-wear Clothing; Style Creation Applications in Haute Couture Clothing; Project Applications: Determining the Design Criteria; Assessments with Critiques and Juries in Studio Format.

**MOD 305 Pattern Application III 2+2 4,5**

Basic Male Pattern Applications: Jacket, Trousers, Coat, Overcoat; Arm and Collar Patterns Applications; Basic Kid Patterns; Preparation of Patterns for Little Girls and Boys; Model Practice Projects.

**MOD 306 Pattern Application IV 2+2 4,5**

Kinds of Clothing and Pattern Features; Examining Features of Patterns in Clothing; Relation Between Model and Pattern; Studies of Ranking Patterns; Practices of Marking Body; Preparation of Cutting Plan and Application Studies.

**MOD 307 Fashion History I 2+0 3,0**

Introduction to Fashion History: Ancient history, Mesopotamia; Egypt, Grece and Rome; Middle Ages: Romanesque period, Gothic period; New Age: Renaissance, Baroque, Rococo period; Present Age: 15th Century; Age of Industrialization: Popularity of Fashion in Society: Fashion in aristocracy and palaces, Monotonous clothing style, Bourgeois clothing style, Traditional-local clothing styles.

**MOD 308 Fashion History II 2+0 3,0**

20th Century Art Movements and Fashion: Development of design concept, Fashion, Culture, Art interactions; Art Movements and Effects on Fashion Design; Fashion Theories; Pioneers of Fashion Design and Their Works; Development of Fashion Design Concept in Turkey; Turkish Fashion Designers.

**MOD 309 Computer Aided Pattern Design 3+2 5,0**

Computer-Aided Programs Used in the Garment Industry; Introduction to assist systems such as Assist, Gerber etc.: Keyboard shortcut keys, Digit operation panel auxiliary functions, Main function of creation, Sub-functions such as line, circle, circle arc, Main functions of delete, fastener, clamp, copy, move, symmetry, dial and switch; Design File

Creation; Divide, offset main functions, Main functions of extraction and correction, Main functions of seam allowance and interlinings, Sub-functions of line, corner; Main Function of Pattern; Main function of Grading; Creation of Style Files; Cloth Spreading.

**MOD 310 Fashion Photography 2+2 4,5**

Basic Photography Knowledge; Cameras: 35mm., Medium format, Studio cameras; Lenses: Standard, Tele, Wide angle, Zoom lenses; Aperture, Shutter, Exposure Knowledge; Depth of Field; Film, Light, Exposure metering; Exposure Meters; Filters and Other Accessories; Image Composting; Magazine and Catalogue Photography; Choosing a Model; Basic Make-up Knowledge; Marketing of Fashion Photographs.

**MOD 311 Occupational English 2+0 3,0**

Introduction: Fiber structures and fiber properties; Classification of fibers; Cotton and other natural fibers: Classification of chemical fibers, Basic chemical terms in producing of chemical fibers; Yarns and spinning systems; Textile fabrics and production methods; Knitting and weaving technologies; Textile finishing, fabric dyeing and printing technologies; Apparel technology and related terms; Reading and discussion of selected articles.

**MOD 312 Ready to Wear Production Methods 2+2 4,5**

Definition of Ready-to-Wear Clothing; Process of Ready-to-Wear Clothing Production; Methods Used in Ready-to-Wear Clothing Production; Applications; Pre-Sewing Procedures: Research, Design, Sample product, Cost accounting; Exhibition Halls and Exhibiting; Sewing Procedures: Pattern, Body marking, Cutting plan, Fabric control, Cutting process, Sewing plan, Sewing; Post-Sewing Procedures: Quality control, Stocking, Packaging, Selling procedures.

**MOD 313 Original Practise in Composition 3+0 4,5**

Improves the use shapes, forms, color, use of appropriate proportions and the skill of arranging shapes and forms; Studies proportional relationship between shapes and forms and enables evaluation of compositions; Improves creativity, variation and develops the ability to create new variations from the original.

**MOD 314 Made to Order Clothing Production Methods 2+2 4,5**

Definition of Made to Order Clothing Production: Process of Made to Order Clothing Production; Pre-Sewing Procedures: Customer Consultation; Choosing an Appropriate Model; Time and Cost; Measuring; Sewing Procedures: Preparing a pattern and checking, Model application; Merging procedures; Post-Sewing Procedures: General controls, Presentation and sale..

**MOD 316 Effective Speech and Criticizing Thinking 1+1 1,5**

Basic Information about Voice and Breath; Ability of Controlling Voice and Breath; Practical Training; Effective Speech: Speed, Intonation, Pronunciation, Tonality; Correct use of Turkish Language: Syllables, Words; Practical

Training; Critical Thinking: Definition of Critical Thinking;, Theoretical Approaches, Practical Training.

**MOD 317 Surface Design** 3+0 4,5  
Relation Between Surface and Form; Composition Rules, Transforming an Organic or Inorganic Object into a Design Element and Its Reinterpretation by Collage Method; Organizing the Surface; Constructing a Composition by Geometric Elements and Basic Systems and Application of Compositions on Fabric Surface by Using Printing Methods; Establishing Surface and Form Relationship in Cloth Design by Transforming Concepts or Objects into Visual Language.

**MOD 318 Screen Printing** 2+2 4,5  
Screen Printing: Definition and History of Screen Printing, Usage of Tools & Equipments ;Research of Screen Printing Artists and Their Works. Single and Multi Color Printing Applications; Preparation of Applications for Presentation: To Number, Signature and Evaluation.

**MOD 319 Pattern Design** 2+2 3,0  
Concepts of Motif and Pattern: Analysis of concepts such as symmetry, asymmetry, and isometry in the context of pattern design; Analysis of Geometric Forms such as Circle, Ellipse and Regular Polygon with Respect to Planar Pattern Design; wallpaper Analyses; Analysis of Nicaean Tiles of the 15th and 16th Centuries in the Ottoman Era with Respect to Pattern Design; Evaluation of Results from the Perspective of Contemporary Pattern Design Approaches; Applications.

**MOD 320 Interactive Pattern Design** 2+2 3,0  
Concepts of Motif and Pattern; Analysis of Basic Concepts Through Examples with Participants; Analysis of Connection (Ulama) Patterns Through Examples with Participants; Analysis of Nicaean Tiles of the 15th and 16th Centuries in the Ottoman Era with Respect to Pattern Design; Evaluation of Results from the Perspective of Contemporary Pattern Design Approaches; Alternative Applications.

**MOD 322 Textile Finishing** 2+1 3,0  
Introduction to Textile Finishing; Importance of Textile Finishing; Classification of Finishing Methods: Mechanical and chemical textile finishing methods; Pretreatment of Fabrics: Desizing, Scouring, Bleaching, Mercerising and Washing; Dyeing Methods: Exhaust and pad dyeing; Classification of Textile Dyes; Wool dyeing, Cotton dyeing and PES dyeing; Printing Methods and Machines: Roller printing, Screen printing, Rotary screen printing, Digital printing and Transfer printing; Functional Finishing Procedures on Textile Materials; Coating and laminating of textile materials; Mechanical Finishing of Textiles.

**MOD 326 Printing Design** 2+2 4,0  
Textile Printing Design: Textile printing techniques, Printing design for industrial textile products; Pattern drawings applicable to textile printing from natural objects; Making design in relative to semi and full raport orders in repetitive print; Multi coloured applications, colour separation processes, print preparing according to the technique repetitive printing applications on the fabric.

**MOD 335 Clothing Ornamentation Techniques** 3+0 4,5  
Technique studies for clothing ornamentation: and contemporary ornamentation types, Choosing appropriate ornaments to clothes; Definition and types of accessories: Zippers, Buttons, fasteners, ribbons, eyelet other trimmings; Ornamentation by sawing and embroidery techniques: Handmade ornaments, ornaments made by machine; Fancy fabric sawing techniques studies; Net lace, lace guipure, velvet, satin and chiffon sewing techniques.

**MOD 339 History of Clothing in Anatolia** 2+0 3,0  
Introduction to History of Clothing in Anatolia; Natural environment and the first humans in Anatolia, Clothing in Prehistory Time, Apparel in Neolithic Age, Apparel in the Bronze Age, The Hittite Empire, Neo-Hittite period, Clothing at other regions of Anatolia; Urartu period, Phrygia; Western Anatolia in ancient times, wearing apparel of Hellenistic Period, Roman Period, Byzantine Empire?s Clothing, History of Clothing in the Ottoman Empire.

**MOD 402 Portfolio Design** 2+2 4,5  
Preparations for Personal Presentation: Research and preparation for presentation, Studying about the target that the portfolio will be presented to; Presentation Techniques: Electronic portfolio, Bag portfolio; Presentation Preparations; Preparing the Portfolio: Determining the content, Form and technical preparations; Presentation: CV design and duplication, Presentation of works.

**MOD 403 Accessory Design** 2+2 5,0  
Definition of Accessory Design: Its place and importance in fashion design, Sources; Design Methods; Color Relations; Choosing; Materials; Formal Convenience in Accessory Design; Material Knowledge: Choosing the correct material for design, Design and applications suitable for material.

**MOD 404 Shop Window Design** 2+2 4,5  
Definition of Shop Window Design: Its place and importance in fashion design, Subjects, Sources; Basic Principles and Methods in Shop Window Design; Color-Form-Space Relations in Shop Window Design: Defining and identifying needs, Choosing Materials, Space organization.

**MOD 405 Fashion Design V** 4+4 9,0  
Collection Preparation: Market analyses, Distribution research, Synthesis of trends, Main idea, Material choosing; Detail Solutions: Form-color relations, Pattern-model preparation, Two dimensional design; Choosing Accessories; Applying Design to Material: Pattern, Cutting, Sewing process; General Controls; Design Presentation; Project Applications: Determining design criteria, Assessments with critiques and juries in studio format.

**MOD 406 Fashion Show Project** 4+4 9,0  
Project Selection and Research: Scheduling the design procedures according to project extents; Creating (For Person and for Group) the Production Cost Table of Application; Design and Production; Preparing Space-Stand for Show; Choosing the Model and Fitting; Choosing the

Music and Choreography; Show for the Jury, Audiences and Assessments.

**MOD 407 Batik** 2+2 4,5  
Definition and History of Batik; Tools Used Batik Techniques and Applications: Tied batik, Waxed batik, Print batik; Usage of Batik Techniques: Artistic works, Designs for usage and applications, Trials.

**MOD 409 Advanced Pattern and Draping** 2+2 4,5  
Draping Method: Research and Application Studies About the Usage of Draping Method; Visual Expressions of Design: Creating design on a manikin, Fixing details, Storing and duplication methods; Use of Different Materials and Draping Works; Applying Design to Draping Method.

**MOD 410 Costume Design for Performing Arts** 2+2 4,5  
Historical Development of Costume Design in Performing Arts; Designing Suitable Costume for Performing Arts: Research, Preparation, Choosing a performance, Identifying roles and personalities, Determining scenes, Choosing Color-Form-Material, Preparing costume sketches, Choosing accessories, Presentation of design in different techniques.

**MOD 411 Experimental Design** 3+2 6,0  
Definition of experimental design: Technical and material information, searching unusual materials for cloth production; preliminary studies in experimental design: try of used materials, sketch and detail studies, decision of appropriate models and materials, practice in experimental design, illustration studies, preparation of patterns with 1/1 ratio, cutting and combining operations project implementations: determination of design criteria, critics in studio arrangement, evaluation by seminars and juries.

**MOD 412 Jewellery Design** 2+2 4,0  
Knowledge of Materials and Equipment: Use of Tools and Machines by Hand; Classification of Valuable, Semi Valuable and Synthetic Stones; Definition of Metals and Their Alloys; Techniques in Treating Metals; Techniques in Treating Stones; Presentation of Connectors and Adhesives; 3D Designs; Sketch Studies; Preparing Models; Forming Samples; Cleaning and Polishing; Application Studies.

**MOD 414 Fabric Design** 2+0 3,0  
Preliminary work for fabric design; analysis of natural and synthetic materials; Designing projects through basic textile design techniques; Appropriate materials and techniques for a specific design process; Application designs on fabrics through appropriate techniques.

**MOD 415 Chemical and Physical Testing of Textiles** 2+2 4,5  
Introduction; The importance of chemical and physical testing; Evaluation of textile testing standards and methods; Classification and analysis of textile fibers and yarns; Physical testing of the fabrics; Structural and dimensional testing of the fabrics; Testing of mechanical properties of fabrics; Fastness tests; Testing of garment properties; Testing

of garment accessories; Types and analysis of sewing threads; Ecotextiles and EcoTex 100 standards;

**MOD 416 Basic Textile Technics** 2+0 3,0  
Main characteristics of textile structures; Technical information about weaving, knitting and textile printing; Use of these techniques in design process; Different types of fabrics; Classification of fabrics by their manufacturing processes.

**MOD 417 Environmental Fiber Art** 2+2 4,0  
Expression of Fiber Art and Environmental Fiber Art; Environmental Analysis and Perception of Natural Texture; Relationship Between Environment and Art-Design; Elements of Fiber Art Design: Material information, Relationship between fibers and nature; Evaluation of Project Proposals: Experimental Study in the Natural Environment: Fiber art application techniques, Application of fiber art.

**MOD 418 Functional Textiles and Their Production Methods** 2+0 3,0  
Description and importance of the functional and technical textiles; Functional fibers, yarns and fabrics; Production of 3D knitting and weaving fabrics, nonwovens and composites; Functional finishing of textiles: repellency, soil release, easy care and wrinkle resistance, antimicrobial and flame retardant finishes; Test methods and standards; Industrial applications: Medical, protective, sports and leisure, defense, home textiles; Electronic and intelligent textiles; Overview of the functional textile market; Design and importance of functional textiles.

**MOD 420 Fabric and Colour** 2+1 3,0  
Fabric testing: Determination of technical properties such as warp, weft, density, count, and raw material type; Types and chemical structures of dyes; Dyeing techniques; Observation of the dye effects, obtaining color shades and combining of the color shades on the fabrics that are produced from natural or mixed fibers; Demonstration of data on the charts; Preparation of experimental works as a catalogue; Preparation of evaluation report which investigates the relationship among the fabric, dye and color.

**MOD 421 Footwear Design I** 2+2 4,0  
Introduction to Footwear Design: Anatomy of foot, Patterns and pattern drawing techniques for ladies shoes, Gova fast/pattern drawing techniques, Pattern application of gova, Sandal sizes and drawing techniques, Design and construction of boots, High boot design; Collection Development, Theme Building, Model Development, Coloring and Presentation in Footwear Design; Mass Production Techniques and 2D-3D CAD/CAM Applications; Theme Selection for the Final Project: Sketching, Modelling, Coloring and Presentation, Prototyping, Package design.

**MOD 422 Footwear Design II** 2+2 4,0  
Theoretical Background on the History of Footwear; Footwear Styles; Basic Concepts in Footwear Design: Materials and techniques, Footwear industry, Production

technologies and CAD applications in footwear design; Seminars; Field Trips; Workshops; Exercises Developing Basic Skills in Footwear Design.

**MOD 424 Effects of Dye and Pattern on Fabrics 2+1 3,0**  
Analysis of Fabrics: Determination of technical specifications; Types and Chemical Structures of Textile Dyes: Prediction, Detection, Research, Knowledge transfer; Dyeing Techniques: Painting, Dipping, Flat brush, Gradient, Catalog format; Relationship Between Dye and Pattern; Pattern Arrangements; Filing; Classroom Assessment; Preparation of Personal Reports.

**MOD 453 Style Consultancy 2+0 3,0**  
Methods and techniques for creating personal style; Meaning and the effects of colors; Determining personal color tones; Harmony of skin, eye and hair color, Seasonal color analysis; Basic shapes of faces; Body types; ;Vertical and horizontal body types, Appropriate clothing techniques; Styles of clothing according to personal life styles, character and professional identity.

**MÜH 302 Interdisciplinary Applications 1+2 4,5**  
The Notion of Interdisciplinary Study; Topic Selection; Conduction of an Extensive Literature Survey about the Topic; Discussion of the Topics Among Students from Different Disciplines; Conclusion of the Study by Overseeing Up-to-Date Economical and Social Criteria and Following Ethical Standards; Preparation of a Poster Presentation Incorporating the Steps and Results of the Study; Presentation of the Study Before a Jury or an Audience.

**MÜH 302 Interdisciplinary Applications 1+2 4,5**  
The Notion of Interdisciplinary Study; Topic Selection; Conduction of an Extensive Literature Survey about the Topic; Discussion of the Topics Among Students from Different Disciplines; Conclusion of the Study by Overseeing Up-to-Date Economical and Social Criteria and Following Ethical Standards; Preparation of a Poster Presentation Incorporating the Steps and Results of the Study; Presentation of the Study Before a Jury or an Audience.

**MÜH 404 Innovation Management 3+0 3,0**  
Innovation Concept: History and Evolution of Knowledge, World of Innovation, Defining Innovation Models; Innovation and Creativity: Creativity Concept, Fostering Creativity in Organizations, Factors Fostering Creativity, Creativity to Innovation, Tools for Creativity; Innovation in Information Age: Innovation Process, Innovation Types, Barriers to Innovation, Recent Innovation Trends, Analyzing Innovation, Conditions of Information Age, Innovative Thinking, Breakthrough Innovation Process, Innovative Idea Generation, Encouraging Innovation in the Organization, Building an Innovative Organization, Measures of Innovation: Recent Measures of Innovation, Process Based Measures of Innovation; Institutionalizing Innovation: Innovation in Service, Protecting the Innovation, Commercializing the Innovation, Managing Campus-Based Innovations, Managing Innovative Activities.

**MÜZ 151 Short History of Music 2+0 3,0**  
Mile Stones in the History of Music; Music of the Antique Period; Music of Far East; Music of Anatolia; Music of the Middle Ages: Gregorian Chants; Music of Renaissance: Bach and Handel; Music of the Classical Age; Pianoforte in the Classical Age; Romantic Age; Nationalist Movement; Contemporary Music; Nationalism and Universality.

**MÜZ 157 Traditional Turkish Art Music 2+0 2,0**  
Description of Traditional Art Music: Basic concepts, Characteristics, Types, Notes, Instruments; The Mode System of Traditional Turkish Art Music; The Rhythmic Pattern of Traditional Turkish Art Music; Samples from Different Modes; Samples from Different Rhythmic Patterns.

**PPT 104 Perspective 2+1 3,0**  
Definition of perspective; Parallel, Bended, Cavalier, Militer Perspectives; Bended Perspective Exercises: Axonometric, Isometric, Diametric, Trimetric perspectives, Description of conic perspective: Vanishing point, Picture plane, Horizon line, Types of conic perspective, Two pointed perspective, Perspectives of bended roofs, Principles of Shadowing and Shadowing Exercises.

**PPT 112 Perspective 1+2 4,0**  
The method of transferring a three dimensional image person can see to a two dimensional paper. Transferring the designed three dimensional objects with scaled and strong explanation drawing method ( color, texture, collage etc.) to the spectators, General Perspective Principles: Schema, Visual scala; Axonometric Perspective: Three dimensional animation; Elements: Point, Line, Surface, Texture, Color etc; Expressions: Picture plane, Position point, View angle, Horizon line, Perspective point; Simple Perspective Rules: Measurement, Proportion and perspective types and application; Single Perspective Point: Application; Double perspective point: Application, Object drawings, Different interior residences perspectives, External residences perspectives; Color Perspective: Line, Texture, Color, Surface and far-near expression; Reflection: Reflection on mirror and reflection angles; Shadow: Finding out the shadows formed by the light that comes from different angles at the objects; Free

**PSİ 102 Psychology 3+0 3,5**  
What is Psychology?: Theoretical developments, Major Sub-Disciplines and methodology; Growth and Development; Motivation and Defense Mechanisms; Attention and Perception; Learning: Behavioral and cognitive approaches; Verbal Learning and Memory; Language and communication; Personality; Abnormal Behavior: Causes, Types and treatment.

**PSİ 303 Art Psychology 2+0 3,0**  
Art And Psychology: Similarities and differences; Defining Art Psychology; Different Approaches: Elements of Art Psychology And Relations Between These Elements; Psychological Matters In Art; Understanding And Examining Work of Art: Perception, Affinity, Talent, Aesthetic taste, Intuition; Effect of Psychological Elements

on Artistic Creativity: Creator-Creativity; Why Does Artists Create? Process of Creation; Perceiving the Audience And Psychological Factors.

**PZL 401 Marketing** 2+0 3,0

Marketing Concept and Understanding of Modern Marketing; Environmental Conditions in Marketing; Marketing Information System; Consumption and Purchasing Behavior in Industrial Markets; Market Division and Choice of Market; Product: Product concept, Classification of products, Product groups, New product concept, New product development alternatives, Product life curve, Product properties; Distribution Channel and Physical Distribution; Effort to Increase Price and Sale; International Marketing.

**RSM 152 Painting** 2+0 4,0

Painting Techniques: Pastel, Watercolor, Collage, Wash and brush, Mixed media, Oil, Acrylic; Basics of painting; Materials: Paper, Brush, Paint, Usage; Elements of Design: Composition, Rhythm, Color, Form, Movement, Line, Perspective; Color Theory: Balance, Unity, Studies; Study of Classic and Contemporary Works of Art; Contemporary and Original Work by Individuals and Groups.

**RSM 205 Free Hand Drawing** 2+0 3,0

Free Hand Drawing: Purpose, Tools, Importance; Free Hand Drawing Techniques: Scales, Proportions, Composition; Shading: Shading in Architectural Designs; Shape, Texture, Relief Techniques; Free Hand Perspective Drawing Techniques; Coloring Techniques in Architectural Designs.

**RUS 255 Russian I** 3+0 4,0

Russian Alphabet; Transcriptions of Sounds in Russian; Russian Orthography; Phonetic Perception of Sounds; Consonants and Vowels; Intonation and Stress; Nouns: Proper and Common Nouns; Masculine, Feminine and Neutral Nouns; Russian Names for Men and Women; The Use of Number with Nouns; Greeting Structures; Asking for Directions; Introducing Oneself; Asking and Telling the Time; Patterns Used in Shopping; Patterns Used in Telephone Conversations.

**RUS 256 Russian II** 3+0 4,0

Plural Nouns; Construction of Plural Nouns: Plural-only and Singular-only Nouns; Adjectives: Types of adjectives, Forms of Adjectives; Numbers: Different Types of Numbers; Verbs: Types of verbs; Infinitives; Tenses: Present Continuous Tense, Past Tense, Future Tenses; Action Verbs.

**SAN 101 Basic Design I** 3+6 8,0

Plastic Arts, Basic elements formed with visual language, Principles and light: Light and shade on natural objects, light and shade on artificial objects, Pencil drawing essays, Model with charcoal; Dot: Definition of Dot, possibilities, characters and arranging dot, Tidy rhythm, Untidy rhythm; Stripe: Definition of Stripe, possibilities, Natural stripe varieties, Artificial stripe varieties, Stripe investigations with pencil, ink and paint; Tissues: Definition of tissue, Contemporary Tissues, Tissue on surface, Tissue on three dimension.

**SAN 102 Basic Design II** 3+6 8,0

Color: Definition of color, Types of Color; Color Spectrum; Color Psychology; Color and Form; Color and Function; Color Contrasts: Complementary contrast; Simultaneous contrast, Simple contrast, Hot-Cold contrast, Quantity contrast; Dark-light contrast, Quality contrast; Structure: Definition, Mobile element, Form repetition; Superficial Structure; Three Dimensional Structure; Form Production; Principles of Design: Composition, Similarity, Balance, Directions, Dense-Sparse, Light-Dark, Big-Small, Empty-Full, Contrast, Organic- Inorganic, Review.

**SAN 113 Art Concepts** 2+0 3,0

Art and Concepts related to art. Art, Artist, Spectator, Art Work; Art: Definition of art, Classification, Looking at art in historical process, Examining theory and concepts related to art. Artist: Artist's place in society, connection with society, Creative activity and creative process. Spectator: Connection with artwork, social and psychological factors which influence this relation; Art Work: Necessary qualifications for a product to be an artwork, the items which compose of the artwork.

**SAN 155 Hall Dances** 0+2 2,0

Basic concepts. The ethics of dance, Dance Nights, Dance Costumes, National International Competitions and rules/grading, Basic Definitions, Classifications of Dances: Social Dances; Salsa, Cha Cha, Samba, Mambo, Jive, Rock'n Roll, Jazz, Merenge; Flamenco, Rumba, Passa - Doble, Argentina tango, Vals, Disco, Quickstep, Foxtrot, Bolero, European Tango: Ballroom Dances; Sportive Dances; Latin American Dances; Samba, Rumba, Jive, Passa-Doble, Cha Cha, Standart Dances; European Tango, Slow vals (English), Viyana vals, Slow foxtrot, Quickstep.

**SAN 304 Contemporary Art and It's Interpretation** 2+0 3,0

Art as a Concept: Artist, Buyers, Work of Art; Classification of Art; Contemporary Art; Art- Science; Art Technique and Science; History of Art; Art Psychology; Esthetics; Art Sociology; Art Philosophy; Art Criticism; Methods of Criticism; Techniques of Criticism: Psychological criticism, Esthetical criticism, Sociological criticism; Commenting on Contemporary Art Using Contemporary Approaches.

**SNT 155 History of Art** 2+0 2,0

History of Civilization and Evolution of Art: Prehistory to Present; Concepts and Terminology in Art with Samples; Interrelation among Art-Religion and Society; Effects of Religion on Artistic Development; Reflections and Interpretations of Judaism, Christianity and Islam on Art; Renaissance: Emergence, Effects, Artists, Works of Art; Architecture and Plastic Arts; Art in the 19th and 20th Centuries: Relevance of the main historical events of the period.

**SNT 203 History of Art** 3+0 3,0

History of Civilization and Evolution of Art: From prehistoric ages to present; Concepts and Terminology in Art with Samples; Interrelations among Art, Religion and Society; Effects of Religion on Artistic Development;

Reflections and Interpretations of Judaism, Christianity and Islam on Art; Renaissance: Emergence, Effects, Artists, Works of art; Architecture and Plastic Arts; Art in the 19th and 20th Centuries.

**SNT 251 History of Art I 2+0 3,0**

Concepts of Art and Artist: Effects of Art of Social-Political-Cultural changes since Ancient Period to the end of Middle Ages; Development of Form and Style Peculiarities according to periods; Concepts of beauty-Aesthetics and concrete samples of Ancient Period; Comparative Criticism of Art Thoughts and Philosophies of East-West; Criticism of the Relation with Religion and Art on the samples of Concrete buildings; Introducing Basic Source books.

**SNT 252 History of Art II 2+0 3,0**

Effects and Role of Art in Social-Political-Cultural Turning-Points since Middle ages until Today; Criticizing concepts of Fine Arts and Architecture; Terminology; Coming to light of the Artist Identity and Its Concrete Samples; Social and Political Reflections of 19th and 20th centuries to Art and Its Samples; 20th Century Turkish Art Environment; Development of Fine Arts and Architecture, Artists and Their Works.

**SNT 340 History of European Art 2+0 2,0**

Culture and Art History in Europe Post Roman Period: Social and cultural Makeup of Europe in the Middle Ages; Painting; Carolingian Sculpture and Architecture; Romanesque and Gothic Period; Religious, Social, Political and Cultural Factors Influencing Renaissance; Painting, Sculpture and Architecture in Renaissance; Mannerism; Baroque; Neoclassicism; Art Nouveau; Impressionism; Symbolism; Orientalism; Social and Cultural Medium in the Twentieth Century; Expressionism; Fauvism; Cubism; Futurism; Surrealism and Dada; Social and Cultural Medium post 1945.

**SNT 351 History of Turkish Art 2+0 3,0**

Pre-Islamic Turkish Art and Culture; Survey of Hun, Gokturk and Uighur Arts; Effects of Decorative Arts of Great Seljuk, Memluk and Zengi on Anatolia; Anatolian Seljuk Art: Stone, Wooden, Enamel, Brick ornaments; Works Art in Principalities and Early Ottoman Period; Architecture of Classical Ottoman Period; Turkish Baroque Style; Empire Style; Turkish Handcrafts: Carpet, Enamel, Ceramic, Metal, Wood and Cloth Examples; Designs and Techniques; Evolution of Turkish Painting; Western painters and Turkish artists; Turkish Architecture in Republican Period; I. and II. National Architectural Era, Sculpture and Other Forms of Art.

**SOS 155 Folkdance 2+0 2,0**

Dance in Primitive Cultures; Dance in Earlier Civilizations; Dance in the Middle Age and Renaissance; Dance in the 18th and 19th Centuries; Dances of the 20th Century; Ballet; Turkish Dances; Emergence of Folkdance; Anatolian Folkdance: Classification, Accompanying instruments; Methods and Techniques of Collecting Folkdance; Problems in Collecting Folkdance; Teaching of Folkdance; Adapting

Folkdance for Stage: Stage, Stage aesthetics and Choreography, Orientation and choreography.

**SOS 226 Man and Sociology 3+0 3,0**

Definition of Sociology; Development of Sociology; Methods and Methodology in Social Sciences: Research procedures, Scientific method and sociology, Validity and reliability, Ethics of social research; Culture and Society; Family and Gender Issues; Environmental Issues and Society; Media and Communications; Stages of Industrialization; Industrial Revolution and Its Consequences; Urban Life and Urbanization: Urban problems in Turkey; Social Inequalities; Social Stratification.

**SOS 309 Anthropology 2+0 3,0**

Definition of Anthropology; Subdisciplines of Anthropology; Methods of Physical Anthropology and Palaeoanthropology; Human Evolution: Evolution Theory of Darwin, Stages of Human Evolution, Environmental Effects on Biological and Cultural Evolution; Theories of Social Anthropology: Evolutionary School, Diffusionist School, Functionalist School, Structuralist School; The Concept and Theory of Culture: Cultural Processes; Relations of Production; Lineage, Family and Kinship Systems; Religion: Worship, Magic, Taboo, Rituals, Mythology, Totem.

**SOS 352 Sociology of Art 2+0 3,0**

Concepts of Art and Society; Works of Art and Society; The Relationship Between the Artist and Society; Social History of Art and its Current Reflections; Social Factors affecting Artists and Art; Institutions of Art; New Technologies and Economic Factors affecting Art; Production and Consumption of Works of Art in the Art Market; Popular Culture and Art; Art in Modern Society; The Contemporary Approaches in Art and its Critique.

**ŞPL 301 Legal Aspects of Reconstruction 2+0 3,0**

Administrative Structure of Turkey: Centralised administration, Decentralised administration; Limitations of Authority in City Planning and the Reconstruction Law: Basic principles of city planning, Allotment and unification, Principles of construction, Provisions of penalty; Regulations based on reconstruction law, Regulations on the elaboration of existing maps, Regulations on elaborating and changing city plans, Regulations on land subdivision, Typical reconstruction regulation of municipalities, Regulation on parking areas, Regulation on reconstruction amnesty.

**ŞPL 304 Environmental Aesthetics 3+0 3,0**

The Concept of Aesthetics from Past to Present in Architecture; Aesthetics in Culture, Religion, Arts and Philosophy; Environment, Architecture and Aesthetics; Aesthetics in Architectural Formation; Daily Life and the Concept of Aesthetics; Aesthetics as a Value and Evaluation Criteria in Architecture; Architectural Aesthetics and Environmental Stress; Experimental Analysis of the Concept of Aesthetics in Architecture.



**ŞPL 306 City Planning and Modernity 3+0 3,0**

Historical creation of modernity: Weber's development history, Religious modernity; Habermas and Modernity Project: Philosophical discourses of Habermas and modernity, Habermas and rationality; Modernization Activities in Turkey: Modernization tendencies in the Reform era, the Republic era and the Single-party era, Modernization after 1960's, The Period after 1980's; City Planning Approaches in Industrialized West; Haussman's applications, Fair city actions, Camillo Site, Garden city, Berlage, Tony Garnier, Practical city; City Planning and Development Actions as a Modernization Project in Turkey: The Reform era, The Period between 1923-1950, The Period between 1950-1980, The Period after 1980.

**ŞPL 308 Geographical Information Systems 2+2 3,0**

Basic Cartography: General information on maps, Projection systems, Computer aided cartography; General concepts of geographical information systems, Uses of these systems; The concept of topology, Analysis and interpretation of geographical information systems, Digital land model: The concept of digital land model, techniques of digital land modeling, 3D analysis, Inclination analysis, visibility analysis.

**ŞPL 310 Remote Sensing 2+2 3,0**

Fundamentals, Topology, Point, Line, Polygon, Data, Database system; Geographical Information Systems; Remote Sensing; Network Analysis; Spatial Analysis; 3D Analysis; Application in Architecture; Case Studies.

**ŞPL 312 Environment and Urban Design 2+2 3,0**

The Concepts of Environment and Environmental Design, City as a Design Area, Evaluation of Urban Design in Planning and Architectural Processes; Esthetics Design Criteria Affected by Urban Design, The Concept of City Image and Elements of City Image.

**ŞPL 313 Urban Design Criteria 2+2 5,0**

Urban Design: Definition, Enclosure and Concepts; Evolution of Urban Design; Basic Criteria and Elements of the Urban Design; Urban Design Criteria; Urban Structure, Character, Continuity and Change, Quality of the Civic Space, Accessibility, Legibility, Adaptability, Diversity; Urban Design Organization; Principles for the Formation of Spatial Fiction; Principles for Design of Pedestrian Zones.

**ŞPL 314 Urban Design Studio 2+2 5,0**

Analysis of Natural and Man-Made Conditions to Solve Design Problems; Definition of Relationship Between Social, Economic, Cultural Characteristics and Physical Environment of an Urban Space, Solution of Problems Related to Space Formation; Land-Use, Transportation System, Building Ordinance i.e. by Using Obtained Data; Presentation of Proposals Related to Urban Design Techniques and Models.

**ŞPL 401 City Planning I 2+2 4,5**

Urbanization Process: Definition of urbanization, Causes of urbanization, Problems of urbanization, Urbanization policy;

Spatial Forms of Urbanization: Monocentric models, Polycentric models; Theories of City; Evolution of Cities; City Planning: Hierarchy of planning; Theories of City Planning; City Planning Processes; Planning Processes in Turkey: Steps of City planning, Analysis, Elaboration of the plan, Approval and implementation of the plan, Zoning, Land subdivision control.

**ŞPL 402 City Planning II 2+2 5,5**

Elements of City Image: Paths, Edges, Districts, Nodes, Landmarks; Space Organization: Spatial enclosure, Level and types of enclosure, Contrast spaces, Road systems and parking areas, Pedestrian movements; Planning Processes of Residential Areas; Factors Affecting Housing Design: Social, demographic and economic, natural and human-made factors, Aesthetic factors; Location of Residential Areas: Residential areas in planned and unplanned areas, Evaluation criteria for alternative housing areas, Methods for location of housing areas; Design Processes of Residential Areas: Problem formulation, Analysis, Synthesis; Design Principles of Central and Administrative Areas.

**ŞPL 403 Legal Aspects of Construction 2+0 3,0**

Existing Maps; Types and Hierarchy of Plans; Development Plans, Regional Plans, Metropolitan Area Plans, Environment Organization Plan, City Plans: Land use plans, Detail plans; Procedures of Elaborating and Implementing City Plans, Changing City Plans, Expropriation: Process of Making an Expropriation Decision, Notifying the Owners; Organisation of land and land subdivision control.

**ŞPL 404 Disabled and Urban Space 4+0 4,5**

Built Environment, Users and Mobility Equipment; Accessibility; Barrier-free Design, Design for All or Universal Design; Accessibility and Usability in a Built Environment; International Norms and Standards for Accessibility; Urban Accessibility and Transportation Services; Barrier-free Design for Public Buildings and Spaces; Disabled People and Legal Conditions; Practises and Problems of Accessibility.

**ŞPL 406 Administrative Aspects of Planning 3+0 3,0**

Relationship between Urbanization and Administration; Local Government: Structure and performance of a local government; Local Government as a Part of Central Government; Administrative Problems of Metropolitan Areas: Causes requiring metropolitan organization, Environment-friendly approaches in city planning, Problems of planning, Administration and implementation, Polycentric organisation to make a decision, City planning and local governments.

**ŞPL 407 City Administration and Environment 3+0 3,0**

Urban Management; Perception of City; Human and Environment; Globalization; Urban Culture and Identity; Environment and Participation; Industrialization and Urban Transformation; Effects of Urbanization to Environment and Ecological System; Urbanization and Environmental Problems; The Planning and Application Problems of Urban Technical and Social Services; Urban Planning and Administrative Organization; Importance of Public

Participation in Urban Planning; Restructuring of Local Governments; Historical Development of Local Governments; Legal and Administrative Regulations.

**ŞPL 408 New Town Policy 3+0 3,0**

The Concept of New Towns: Definition of a new town, Size and population of new towns, Typology of new towns; New Towns in National Development: Goals, principles and strategies; Instruments of New Town Development: Means of planning new towns, Implementation of new town development, Financing of new town development; Examples of New Towns: British new towns, French new towns, Evaluation of new communities in the USA., Planning and building new towns in other developed countries, Planning rapid urban growth in developing countries, Application of new town policy in developing countries.

**ŞPL 409 Contemporary Approaches to Urban Design 3+0 3,0**

Evaluation of Contemporary Urban Design Theories, Approaches in 1950s and 1960s; New Urbanism Movement, Modern, Late Modern And Post Modern Approaches to Urban Space; Complexity and Diversity: Morphological approaches, Metabolists approaches, Debate on methodological approaches, Participatory approaches; Sense of Space and its Meaning: Relph, Norberg- Schults Lowenthal.

**ŞPL 411 Urban Conservation and Renewal 3+0 3,0**

Introduction: Definition, Scope and Aim; Urban Sustainability; Urban Conservation; Principles of Urban Conservation; Urban Renewal; Development and Change in Urban Patterns; Types of Urban Renewal; Patterns of Urban Renewal; Problems of Application in Urban Renewal Areas; Example of Urban Renewal in Historical Sites; Rehabilitation in Historic Sites.

**ŞPL 413 Urban Space and Life 3+0 3,0**

The Concept of Urbanisation; Citizenship Rights; Definition of Urban Spaces; Types and Uses of Urban Spaces; Outer Space Design; Housing, Working and Leisure Time Areas; Types of Activities; Planning Criteris; User Density; Types of Users; Different Types of Activities by Social Status of Users and by Their Expectations.

**TAR 165 Atatürk's Principles and History of Turkish Revolution I 0+0 2,0**

Reform efforts of Ottoman State, General glance to the stagnation period, Reform searching in Turkey, Tanzimat Ferman and its bringing, The Era of Constitutional Monarchy in Turkey, Policy making during the era of first Constitutional Monarchy, Europe and Turkey, 1838-1914, Europe from imperialism to World War I, Turkey from Mudros to Lausanne, Carrying out of Eastern Question, Turkish Grand National Assembly and Political construction 1920-1923, Economic developments from Ottomans to Republic, The Proclamation of New Turkish State, from Lausanne to Republic.

**TAR 166 Atatürk's Principles and History of Turkish Revolution II 0+0 2,0**

The Restructuring Period; The Emergence of the fundamental policies in the Republic of Turkey (1923-1938 Period); Atatürk's Principles, and Studies on Language, History and Culture in the period of Atatürk; Turkish Foreign Policy and Application Principles in the period of Atatürk; Economic Developments from 1938 to 2002; 1938-2002 Period in Turkish Foreign Policy; Turkey after Atatürk's period; Social, Cultural and Artistic Changes and Developments from 1938 to Present.

**TAR 307 History of Civilization 2+0 3,0**

Civilisation and Civilised Society; Cultural Processes, Cultural Interactions and Changes; Relation between Culture and Environment; Biological Human Evolution; Cultural Evolution: Palaeolithic Age, Invention of Fire, Development of Language, Tool Making, Birth of Art, Development of Magic and Religious Belief; Transition from Hunter-Gathering to Sedentary Life Style; Neolithic Revolution: Beginning of Agriculture; Formation of First Villages; Transition from Primitive Society to Civilised Society; Formation of Urban States, Invention of Writing, Rise of Class Society, Development of Religious Belief and Temples.

**THU 201 Community Services 0+2 2,0**

The course aims to integrate the students with the community and enable them to utilize the knowledge they have accumulated in their courses. The students participate in different community projects such as helping young students at their study periods or after school study sessions , aiding the elderly in nursing homes, helping disabled individuals with various tasks, helping Social Services and aiding children with their education etc. The students also try to work in projects which raise environmental awareness.

**THU 203 Community Services 0+2 3,0**

Various Community Projects: Helping young students during their study periods or after school study sessions, Aiding the elderly in nursing homes, helping disabled individuals with various tasks, helping social services and aiding children with their education etc., take part in the projects which raise environmental awareness, Integrating with the community and enabling use of knowledge accumulated in the courses.

**TİP 301 Typography 2+1 4,5**

Definition of Typography And Importance In Design; Classification of Lettering Fonts And Basic Problems In Classification; Proper Use of Typography As An Element of Design; Choosing Suitable Fonts; Typing With Suitable Line Length; Formatting and Tracking of Letters; Creating Images With Letters And Using Typographic Elements In Industrial Design.

**TİY 121 Introduction to Theatre** 2+0 3,0  
Fundamentals of Theatre; Historical Developments of Theatre; Important Periods in World Theatre; Study of Contemporary Interpretations: Plays and Actors; Application of Basic Acting Techniques; Critiquing; Evaluation; Improvisation.

**TİY 153 Drama** 2+0 3,0  
Drama as a method of creativity: Techniques and Applications; Harmony and Confidence; Expressing Thoughts through Gestures; Improving Verbal and Nonverbal Communication; Improving Relations in Society; Group Works and Staging.

**TİY 308 Republic Era Turkish Theatre** 2+0 3,0  
Republic Era Turkish Theatre: Political, Social, Cultural Art Life; Theatre Concepts; Western Theatre; Theatre Perception; Effects of Western Theatre on Turkish Theatre; Dramatic Types; Acting Methods, Directing, Playwriting, Dramatic Styles; Theatre Buildings; Directing Techniques; Analyzing Developments of Theatre; Theatre Education; State Theatres; Private Theatre Companies.

**TRS 107 Technical Drawing** 3+3 6,0  
A common language is formed, through considering customs that is applied in the industry, at the technical drawing discipline where the knowledge on technical drawing is given to the interior design students who need these knowledge in their presentations. In this sense, introducing the tools, that are used for drawing technical drawings, scales, lines and its techniques, geometric drawings, sections, views, measurements and intersections are based respectively.

**TÜR 103 Turkish Language** 4+0 4,0  
Language: Origins, Language, Culture and society; Language-Reform: Turkish language association; Languages of the World; Language Families; Modern Turkish: Phonetics, Morphology, Syntax, Spelling; Punctuation; Text Types: Short Story, Novel, Article, Essay, Poetry, Drama.

**TÜR 151 Turkish Language I** 2+0 2,0  
Language: Theories on the Origin of Language; Language, Culture and Society; Language-reform: Turkish Language Association; Languages of the World; Language Families; Turkic Languages; Characteristics of Modern Turkish: Phonetics, Morphology, Syntax, Spelling, and Punctuation; Rules of Composition: Punctuation; Correspondence: Writing a CV, Writing petitions, Business and personal letters

**TÜR 152 Turkish Language II** 2+0 2,0  
Features and Rules of Spoken Turkish: Effective Speech; Effective Listening: Rules of Listening; Reading: Reading comprehension, Critical reading; Text Types: Short story, Novel, Articles, Essays, Poetry, Drama.