ULUDAĞ UNIVERSITY

2021-2022 ACADEMIC YEAR

UNDERGRADUATE ELECTIVE COURSES LIST

FACULTY :FACULTY OF ENGINEERING

DEPARTMENT/PROGRAM : DEPARTMENT OF COMPUTER ENGINEERING

I.TERM/FALL SEMESTER						II.TERM/SPRING SEMESTER					
COURSES İN THE FIELD						COURSES İN THE FIELD					
CODE	COURSE	T	A	L	ECTS	CODE	COURSE	T	A	L	ECTS
COURSES OUT OF FIELD						COURSES OUT OF FIELD					
BEB4001	POWER DEVELOMENT I	2	0	0	3	BEB4002	POWER DEVELOMENT II	2	0	0	3
BEB4003	PLATES NEW BEGINNING I	2	0	0	3	BEB4004	PLATES NEW BEGINNING II	2	0	0	3
BEB4005	BASKETBALL NEW BEGINNING I	2	0	0	3	BEB4006	BASKETBALL NEW BEGINNING II	2	0	0	3
BEB4021	FOOTBALL NEW BEGINNING	2	0	0	3	BEB4014	FENCING EPCE II	2	0	0	3
BEB4027	EDUCATIONAL GAME I	2	0	0	3	BEB4016	THEATHRAL FENCING II	2	0	0	3
BEB4029	VOLLEYBALL NEW BEGINNING I	2	0	0	3	BEB4020	INTERMEDIATE SKI II	2	0	0	3
GSB0501	CULTURAL ENVIRONMENTAL CONSCIOUSNESS AND SOCIAL RESPONSIBILITY	3	0	0	3	BEB4026	INTERMEDIATE TENNIS II	2	0	0	3
GSB0503	INTRODUCTION TO MUSICAL CULTURE I	1	2	0	3	BEB4028	EDUCATION GAME II	2	0	0	3
GSB0505	INTRODUCTION TO TURKISH CLASSICAL MUSIC I	1	2	0	3	BEB4030	VOLLEYBALL NEW BEGINNING II	2	0	0	3
GSB0507	TRADITIONAL TURKISH DECORATIVE ART: KAAT'I I	1	2	0	3	GSB0510	PHOTOGRAPHY II	1	0	2	3
GSB0509	PHOTOGRAPHY I	1	0	2	3	GSB0504	INTRODUCTION TO MUSICAL CULTURE II	1	2	0	3
IIB2001	PUBLIC FINANCE	2	0	0	3	GSB0506	INTRODUCTION TO TURKISH CLASSICAL MUSIC II	1	2	0	3
IIB4001	GENARAL BUSINESS ADMINISTRATION	2	0	0	3	GSB0508	TRADITIONAL TURKISH DECORATIVE ART: KAAT'I II	1	2	0	3
IIB4003	MANAGEMENT OF HUMANS RESOURCES	2	0	0	3						
IIB4004	BASIC MARKETING	2	0	0	3						
IIB4005	ENTERPRENEURSHIP	2	0	0	3						

X						IV.TERM/SPRING SEMESTER					
COURSES İN THE FIELD						COURSES İN THE FIELD					
CODE	COURSE	T	A	L	ECTS	CODE	COURSE	T	A	L	ECTS
						BMB2008	MOBILE PROGRAMMING TECHNIQUES	3	0	0	5

						BMB2010	LOGIC PROGRAMMING	3	0	0	5
						BMB2014	INTRODUCTION TO PYTHON PROGRAMMING	3	0	0	5
						BMB2016	OPERATIONAL RESEARCH	3	0	0	5
COURSES OUT OF FIELD						**COURSES OUT OF FIELD**					
IIB4006	PUBLIC RELATIONS	2	0	0	3	EEM3702	VOCATIONAL LANGUAGE	2	0	0	3
IIB4008	COMMUNICATION	2	0	0	3	GSB0502	THE ARTS APPRECIATION	3	0	0	3
IIB4009	GENERAL ACCOUNTING	2	0	0	3	IIB1003	TURKISH ECONOMY	2	0	0	4
IIB5004	PUBLIC ADMINISTRATION	2	0	0	3	IIB3002	BUSINESS LAW	2	0	0	3
IIB5005	ENVIRONMENT MANAGEMENT SYSTEMS ISO 14000	2	0	0	3	IIB6002	INTERNATIONAL RELATIONS	2	0	0	3
IIB6001	EUROPEAN UNION REGULATIONS	2	0	0	3	GSB0501	CULTURAL ENVIRONMENTAL CONSCIOUSNESS AND SOCIAL RESPONSIBILITY	3	0	0	3
ISL4105	TOTAL QUALITY MANAGEMENT	2	0	0	3	GSB0502	THE ARTS APPRECIATION	3	0	0	3
MAK2027	ENGINEERING ETHICS	2	0	0	3	BEB4008	TENNIS NEW BEGINNING II	2	0	0	3
MAK3022	WORK SAFETY	2	0	0	3	BEB4010	SKI NEW BEGINNING II	2	0	0	3
MAK3028	PATENT AND INDUSTRIAL DESIGN	2	0	0	3	BEB4012	FENCING FOIL II	2	0	0	3
TEK3304	TOTAL QUALITY MANAGAMENT AND APPLICATIONS IN TEXTILE INDUSTRY	2	0	0	3						
TEK4302	PERFORMANCE ASSESMENT SYSTEM	2	0	0	3						
TEK4304	R&D SUPPORTS IN TURKEY	2	0	0	3						
BEB4007	TENNIS NEW BEGINNING I	2	0	0	3						
BEB4009	SKI NEW BEGINNING I	2	0	0	3						
BEB4011	FENCING FOIL	2	0	0	3						

V.TERM/FALL SEMESTER						**VI.TERM/SPRING SEMESTER**					
COURSES İN THE FIELD						**COURSES İN THE FIELD**					
CODE	**COURSE**	**T**	**A**	**L**	**ECTS**	**CODE**	**DERSİN ADI**	**T**	**A**	**L**	**ECTS**
BMB3009	ANALYSIS AND DESIGN OF INFORMATION SYSTEMS	3	0	0	5	BMB3012	SIGNALS AND SYSTEMS	3	0	0	5
BMB3015	ARTIFICIAL INTELLIGENCE	3	0	0	5	BMB3014	COMPUTER GAMES AND SIMULATION	3	0	0	5
MAT3044	NUMERICAL ANALYSIS	3	0	0	5	BMB3016	VISUAL PROGRAMMING	3	0	0	5
BMB3011	ELECTRONIC CIRCUITS AND DEVICES	3	0	0	5	MAK3028	PATENT AND INDUSTRIAL DESIGN	3	0	0	5
BMB3013	ADVANCED DATA STRUCTURES	3	0	0	5	BMB3018	SYSTEM PROGRAMMING	3	0	0	5
COURSES OUT OF FIELD						BMB3020	NEURAL NETWORKS AND APPLICATIONS	3	0	0	5
						BMB3022	COMPUTER GRAPHICS	3	0	0	5

VII.TERM/FALL SEMESTER

COURSES İN THE FIELD

CODE	COURSE	T	A	L	ECTS
EEM4433	DIGITAL SIGNAL PROCESSING	3	0	0	5
BMB4007	DISTRIBUTED SYSTEMS AND PARALLEL COMPUTING	3	0	0	5
BMB4009	SOFTWARE QUALITY AND TESTING	3	0	0	5
BMB4013	DIGITAL IMAGE PROCESSING	3	0	0	5
BMB4015	VIRTUAL REALITY AND AUGMENTED REALITY	3	0	0	5
BMB4019	ROBOT DESIGN AND APPLICATIONS	3	0	0	5
BMB4017	INTRODUCTION TO BIOINFORMATIC ALGORITHMS	3	0	0	5
BMB4011	SPECIAL TOPICS IN COMPUTER NETWORKS	3	0	0	5
BMB4021	DATA COMMUNICATION	3	0	0	5

COURSES OUT OF FIELD

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VIII.TERM/SPRING SEMESTER

COURSES İN THE FIELD

CODE	COURSE	T	A	L	ECTS
BMB4008	ENGINEERING PROJECT MANAGEMENT	3	0	0	5
BMB4012	LANGUAGE COMPILERS	3	0	0	5
BMB4014	EMBEDDED SYSTEMS	3	0	0	5
BMB4018	PATTERN RECOGNITION	3	0	0	5
EEM4122	R PROGRAMMING AND MACHINE LEARNING APPLICATIONS	3	0	0	5
BMB4020	COMPUTATIONAL GENOMICS	3	0	0	5
BMB4022	MULTIMEDIA COMPUTING	3	0	0	5
BMB4024	SERVER -SIDE SOFTWARE TECHNOLOGIES	3	0	0	5
BMB4026	INTRODUCTION TO NATURAL LANGUAGE PROCESSING	3	0	0	5
BMB4016	COMPUTER AND NETWORK SECURITY	3	0	0	5

COURSES OUT OF FIELD