



Tarsus University
Institute of Graduate Studies

TARSUS
ÜNİVERSİTESİ

Computer Engineering

- Active

Course Count: 59 T : 172 U : 0 K : 170 Akts : 442.50 T + U : 172

1. Term								
#	Course Unit Code	Course Name	Type of Course Unit	T	U	L	Credit	ECTS
1	LE 509	SCIENTIFIC RESEARCH TECHNIQUES AND PUBLICATION ETHICS	Compulsory	2	0	0	0	0.00
2	BM 500	MSC. THESIS	Compulsory	0	0	0	0	30.00
3	BM 801	SPECIALIZATION FIELD COURSE	Compulsory	4	0	0	4	0.00
4	BM 802	SPECIALIZATION FIELD COURSE	Compulsory	4	0	0	4	0.00
5	BM 501	MSC. SEMINAR	Compulsory	0	0	0	0	7.50
6	BM 502	ARTIFICIAL INTELLIGENCE	Compulsory	3	0	0	3	7.50
7	BM 503	DATA SCIENCE AND ANALYSIS	Compulsory	3	0	0	3	7.50
8	BM 504	DATA PREPROCESSING TECHNIQUES	Compulsory	3	0	0	3	7.50
9	BM 505	MACHINE LEARNING	Compulsory	3	0	0	3	7.50
10	BM 506	DATA MINING	Compulsory	3	0	0	3	7.50
11	BM 507	ARTIFICIAL NEURAL NETWORKS	Compulsory	3	0	0	3	7.50
12	BM 508	DEEP LEARNING	Compulsory	3	0	0	3	7.50
13	BM 509	NATURE-INSPIRED COMPUTING	Compulsory	3	0	0	3	7.50
14	BM 510	EVOLUTIONARY COMPUTATION	Compulsory	3	0	0	3	7.50
15	BM 511	COLLECTIVE LEARNING	Compulsory	3	0	0	3	7.50
16	BM 512	BIG DATA ANALYTICS	Compulsory	3	0	0	3	7.50
17	BM 513	STREAM DATA MINING	Compulsory	3	0	0	3	7.50
18	BM 514	WEB MINING	Compulsory	3	0	0	3	7.50
19	BM 515	NATURAL LANGUAGE PROCESSING	Compulsory	3	0	0	3	7.50
20	BM 516	SPEECH PROCESSING	Compulsory	3	0	0	3	7.50
21	BM 517	BIOINFORMATICS	Compulsory	3	0	0	3	7.50
22	BM 518	IMAGE PROCESSING	Compulsory	3	0	0	3	7.50
23	BM 519	PATTERN RECOGNITION	Compulsory	3	0	0	3	7.50

24	BM 520	COMPUTER VISION	Compulsory	3	0	0	3	7.50
25	BM 521	BIOMEDICAL SIGNAL ANALYSIS	Compulsory	3	0	0	3	7.50
26	BM 522	STATISTICAL NATURAL LANGUAGE PROCESSING	Compulsory	3	0	0	3	7.50
27	BM 523	FUZZY LOGIC AND ENGINEERING APPLICATIONS	Compulsory	3	0	0	3	7.50
28	BM 524	AUTONOMOUS ROBOTIC	Compulsory	3	0	0	3	7.50
29	BM 525	ADVANCED OPERATING SYSTEMS	Compulsory	3	0	0	3	7.50
30	BM 526	ADVANCED TOPICS IN PROCESSOR ARCHITECTURES	Compulsory	3	0	0	3	7.50
31	BM 527	COMPUTER SYSTEMS PERFORMANCE ANALYSIS	Compulsory	3	0	0	3	7.50
32	BM 528	COMPUTER NETWORKS ANALYSIS AND DESIGN	Compulsory	3	0	0	3	7.50
33	BM 529	ADVANCED NETWORK PROGRAMMING	Compulsory	3	0	0	3	7.50
34	BM 530	COMPUTER SYSTEMS AND NETWORK SECURITY	Compulsory	3	0	0	3	7.50
35	BM 531	MOBILE AND WIRELESS NETWORKING	Compulsory	3	0	0	3	7.50
36	BM 532	ADVANCED COMPILER DESIGN	Compulsory	3	0	0	3	7.50
37	BM 533	PARALLEL AND DISTRIBUTED COMPUTING	Compulsory	3	0	0	3	7.50
38	BM 534	ADVANCED ALGORITHM ANALYSIS AND DESIGN	Compulsory	3	0	0	3	7.50
39	BM 535	ADVANCED PROGRAMMING LANGUAGES	Compulsory	3	0	0	3	7.50
40	BM 536	OBJECT ORIENTED DESIGN AND MODELING	Compulsory	3	0	0	3	7.50
41	BM 537	ADVANCED DATABASE MANAGEMENT SYSTEMS	Compulsory	3	0	0	3	7.50
42	BM 538	LOGIC AND DATABASES	Compulsory	3	0	0	3	7.50
43	BM 539	SOFTWARE PROJECT MANAGEMENT	Compulsory	3	0	0	3	7.50
44	BM 540	SOFTWARE QUALITY AND TEST TECHNIQUES	Compulsory	3	0	0	3	7.50
45	BM 541	ADVANCED COMPUTER GRAPHICS	Compulsory	3	0	0	3	7.50
46	BM 542	GAME TECHNOLOGIES	Compulsory	3	0	0	3	7.50
47	BM 543	3D GAME PROGRAMMING	Compulsory	3	0	0	3	7.50

48	BM 544	INFORMATION SECURITY AND CRYPTOLOGY	Compulsory	3	0	0	3	7.50
49	BM 545	INTRODUCTION TO CYBER SECURITY	Compulsory	3	0	0	3	7.50
50	BM 546	STRATEGIC DESIGN AND GAME THEORY	Compulsory	3	0	0	3	7.50
51	BM 547	ADVANCED NUMERICAL ANALYSIS	Compulsory	3	0	0	3	7.50
52	BM 548	CODING THEORY	Compulsory	3	0	0	3	7.50
53	BM 549	INFORMATION THEORY	Compulsory	3	0	0	3	7.50
54	BM 550	GRAPH THEORY AND ALGORITHMS	Compulsory	3	0	0	3	7.50
55	BM 551	ADVANCED LINEAR ALGEBRA AND OPTIMIZATION	Compulsory	3	0	0	3	7.50
56	BM 552	NUMERICAL METHODS IN OPTIMIZATION	Compulsory	3	0	0	3	7.50
57	BM 553	SYSTEM MODELING AND COMPUTER SIMULATION	Compulsory	3	0	0	3	7.50
58	BM 554	PROBABILITY THEORY AND RANDOM PROCESSES	Compulsory	3	0	0	3	7.50
59	BM 555	STATISTICAL DATA ANALYSIS	Compulsory	3	0	0	3	7.50
Toplam				172	0	0	170.00	442.50