



BURSA ULUDAĞ UNIVERSITY
GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES
2023-2024 ACADEMIC YEAR COURSE PLAN

FR 1.1.1_02

DEPARTMENT OF Artificial Intelligence
DEPARTMENT / PROGRAM Artificial Intelligence / Master's Degree Program

COURSE STAGE	I. TERM / FALL								II. TERM / SPRING											
	Code	Course Title	Type	T	U	L	Credit	ECTS	Code	Course Title	Type	T	U	L	Credit	ECTS				
	YZ5191	MSC THESIS CONSULTING I	C	0	1	0		1	YZ5192	MSC THESIS CONSULTING II	C	1	0			1				
	YZ5181	ADVANCED TOPICS in MS THESIS I	C	4	0	0		5	YZ5182	ADVANCED TOPICS in MS THESIS II	C	0	0			5				
	BM5123	ALGORITHMS	C	3	0	0		6	YZ5000	RESEARCH TECHNIQUES and PUBLICATION ETHICS	C	2	0	0		2				
	MAK5217	COMPUTER GRAPHICS	E	3	0	0		6	YZ5172	SEMINAR (COURSE)	C	0	2	0		4				
	BM5113	COMPUTER VISION	E	3	0	0		6	BM5116	ARTIFICIAL INTELLIGENCE THEORY	E	3	0	0		6				
	BM5115	NATURAL LANGUAGE PROCESSING	E	3	0	0		6	BM5130	BIOINFORMATIC ALGORITHMS	E	3	0	0		6				
	BM5121	IMAGE PROCESSING AND APPLICATIONS	E	3	0	0		6	BM5138	STATISTICAL METHODS IN NATURAL LANGUAGE PROCESSING	E	3	0	0		6				
	BM5701	INTRODUCTION TO INFORMATION RETRIEVAL SYSTEMS	E	3	0	0		6	BM5142	INTRODUCTION TO DATA MINING	E	3	0	0		6				
	ELN5415	OBJECT RECOGNITION	E	3	0	0		6	ELN5408	OBJECT RECOGNITION WITH ARTIFICIAL NEURAL NETWORKS	E	3	0	0		6				
	ELN5503	NUMERICAL COMPUTING AND PROGRAMMING	E	3	0	0		6	END5101	MATHEMATICAL PROGRAMMING	E	3	0	0		6				
	END5151	STATISTICAL DATA ANALYSIS	E	3	0	0		6	END5124	CONSTRAINT PROGRAMMING	E	3	0	0		6				
	END5123	HEURISTIC ALGORITHMS	E	3	0	0		6	END5162	APPLIED MACHINE LEARNING	E	3	0	0		6				
	END5161	DATA MINING	E	3	0	0		6	MAK5268	ARTIFICIAL INTELLIGENCE AND APPLICATIONS	E	3	0	0		6				
	YIT5017	METAMODELING AND ARTIFICIAL INTELLIGENCE APPLICATIONS	E	3	0	0		6												
	MAK5265	STRUCTURAL DESIGN AND OPTIMIZATION	E	3	0	0		6												
	Total Credits/ECTS								12	30	Total Credits/ECTS								11	30
STAGE THESIS	III. TERM / FALL								IV. TERM / SPRING											
	YZ5193	MSC THESIS CONSULTING III	C	0	1	0		5	YZ5194	MSC THESIS CONSULTING IV	C	0	1	0		5				
	YZ5183	ADVANCED TOPICS in MS THESIS III	C	4	0	0		25	YZ5184	ADVANCED TOPICS in MS THESIS IV	C	4	0	0		25				
	Total Credits/ECTS								0	30	Total Credits/ECTS								0	30
TOTAL CREDITS: 23 - TOTAL ECTS: 120																				