

COURSE PLAN

BALKESIR VOCATINAL SCHOOL																		
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DEPARTMENT OF ELECTRONICS AND AUTOMATION																		
ARTIFICIAL INTELLIGENCE OPERATOR PROGRAM																		
2026-2027 ACADEMIC YEAR COURSE PLAN																		
SEMESTER I										SEMESTER II								
COURSE CODE	COURSE NAME	Category	T	U	L	K	ECTS	In-Term Assessment										
								Written Exam	Other Assessment Activities									
										The percentage								
YZ01101	Introduction to Computer Science	C	2	1	0	2.5	2	40%	YZ01201	Programming II	C	3	1	0	3.5	4	40%	
YZ01102	Introduction to Artificial Intelligence	C	3	1	0	3.5	3	40%	YZ01202	Database Management	C	2	1	0	2.5	3	30%	
YZ01103	Introduction to Data Science	C	3	1	0	3.5	3	40%	YZ01203	Artificial Neural Networks and Deep Learning	C	3	1	0	3.5	4	40%	
YZ01104	Data Structures and Algorithms	C	3	1	0	3.5	5	40%	YZ01204	Entrepreneurship	C	2	0	0	2	2	30%	
YZ01105	Programming I	C	3	1	0	3.5	4	30%	RY01201	Career Planning	C	1	0.5	4	0	1	2	40%
YZ01106	Mathematical-I	C	3	1	0	3.5	3	30%	Elective Course 1	E	2	1	0	2.5	3	40%		
YZ01107	Professional Ethics	C	2	0	0	2	2	40%	Elective Course 2	E	2	1	0	2.5	3	40%		
YZ01108	Occupational Health and Safety	C	2	0	0	2	2	40%	Elective Course 3	E	2	1	0	2.5	3	40%		
TOTAL			21	6	0	24	24	40%	TOTAL			17	6	0	20	24	40%	
AT1101	Anatolia's Principles and History of Reforms I	C	2	0	0	2	2	40%	AT11201	Anatolia's Principles and History of Reforms II	C	2	0	0	2	2	40%	
TDI1101	Turkish Language I	C	2	0	0	2	2	40%	TDI1201	Turkish Language II	C	2	0	0	2	2	40%	
YDI1101	Foreign Language I (English)	C	3	0	0	2	3	40%	YDI1201	Foreign Language II (English)	C	3	0	0	2	3	40%	
GRAND TOTAL			27	6	0	30	30		GRAND TOTAL			23	6	0	26	30		
SEMESTER III										SEMESTER IV								
COURSE CODE	COURSE NAME	Category	T	U	L	K	ECTS	In-Term Assessment										
								Written Exam	Other Assessment Activities									
										The percentage								
YZ02101	Simulation and Modeling	C	2	1	0	2.5	3	40%	YZ02201	Vocational Training On Site	C	5	22	0	16	30	Prac. %40	
YZ02102	Operational Artificial Intelligence	C	2	1	0	2.5	3	40%										
YZ02103	Artificial Intelligence and Security	C	1	1	0	1.5	3	40%										
	Elective Course 1	C	2	1	0	2.5	3	40%										
	Elective Course 2	E	2	1	0	2.5	3	40%										
	Elective Course 3	E	2	1	0	2.5	3	40%										
	Elective Course 4	E	2	1	0	2.5	3	40%										
	Elective Course 5	E	2	1	0	2.5	3	40%										
	Elective Course 6	E	2	1	0	2.5	3	40%										
	Elective Course 7	E	2	1	0	2.5	3	40%										
GRAND TOTAL			19	10	0	24	30		GRAND TOTAL			5	22	0	16	30		

and Examination Regulations include: 'project, portfolio, assignment, seminar, presentation, practice, design, laboratory studies

SEMESTER II ELECTIVE COURSES								In-Term Assessment	
COURSE CODE	COURSE NAME	Category	T	U	L	K	ECTS	Written Exam	Other Assessment Activities
								Percentage	Assessment Activities
ZO1205	Current Artificial Intelligence and Its Applications	E	2	1	0	2.5	3	30%	Homework %10
ZO1206	Machine Learning	E	2	1	0	2.5	3	40%	
ZO1207	Graph Theory	E	1	1	0	1.5	3	40%	
ZO1208	Learning Algorithms	E	2	1	0	2.5	3	40%	
ZO1209	Statistics and Probability	E	2	1	0	2.5	3	40%	
ZO1210	Natural Language Processing	E	2	1	0	2.5	3	40%	
ZO1211	Artificial Intelligence and Ethics	E	2	1	0	2.5	3	40%	
ZO1212	Percept of Things	E	2	1	0	2.5	3	20%	Project %20
ZO1213	Quality Management Systems	E	2	1	0	2.5	3	40%	
ZO1214	Business Management	E	2	1	0	2.5	3	40%	
ZO1215	Formulation Technology Law	E	2	1	0	2.5	3	40%	
ZO1216	Energy Efficiency and Artificial Intelligence Applications	E	2	1	0	2.5	3	40%	
ZO1211	Foreign Language I (English)	**ZO1201 Foreign Language II (English)							

CATEGORY :
C **Compulsory**
E **Elective**

SEMESTER III ELECTIVE COURSES										E=Term Assessment	
COURSE CODE	COURSE NAME	Category	T	U	L	K	ECTS	Written Exam	Other Assessment Activities	The percentage	
VZ02104	Professional Foreign Language (English)	E	2	1	0	2.5	3			40%	
VZ02105	Artificial Intelligence and Cloud Technologies	E	2	1	0	2.5	3			40%	
VZ02106	Artificial Intelligence Paradigms	E	2	1	0	2.5	3			40%	
VZ02107	Performance Analysis in Artificial Intelligence Systems	E	2	1	0	2.5	3			40%	
VZ02108	Generative Artificial Intelligence	E	2	1	0	2.5	3			40%	
VZ02109	Graphics and Animation	E	2	1	0	2.5	3			30%	
VZ02110	Image Processing	E	2	1	0	2.5	3			40%	
VZ02111	Object-Oriented Programming	E	2	1	0	2.5	3			30%	
VZ02112	Game Programming	E	2	1	0	2.5	3			40%	
VZ02113	Project Management and Applications	E	2	1	0	2.5	3			40%	
VZ02114	Communication and Ethics	E	2	1	0	2.5	3			40%	