

COURSE PLAN

BALKEŞİR UNIVERSITY																			
BALKEŞİR VOCATINAL SCHOOL																			
DEPARTMENT OF ELECTRONICS AND AUTOMATION																			
ELECTRONICS TECHNOLOGY PROGRAM																			
2025-2027 ACADEMIC YEAR COURSE PLAN																			
COURSE CODE	COURSE NAME	Category	SEMESTER I						COURSE CODE	COURSE NAME	Category	SEMESTER II							
			T	U	L	K	ECTS	In-Term Assessment Activities(%40)				T	U	L	K	ECTS	In-Term Assessment Activities(%40)		
								Written Exam									*Other Assessment Activities	Written Exam	*Other Assessment Activities
The percentage distribution of assessment activities will be specified below.																			
ENO101	Mathematics	C	2	1	0	2.5	3	40%	ENO106	Alternating Current Circuit Analysis	C	2	2	0	3	3	40%		
ENO110	Direct Current Circuit Analysis	C	2	2	0	3	3	40%	ENO1207	Digital Design	C	2	2	0	3	3	40%		
ENO111	Digital Electronics	C	2	2	0	3	3	40%	ENO1208	Computer-Aided Design	C	0	2	0	1	1	30%	Homework : 10%	
ENO104	Electronic Measurement Techniques and Occupational Safety	C	3	1	0	3.5	5	40%	ENO1209	Programmable Controllers	C	2	2	0	3	3	40%		
ENO112	Sound and Lighting Technology	C	2	0	0	2	2	40%	ENE1201	Renewable Energy Sources	C	2	1	0	2.5	3	40%		
ENO106	Occupational Health and Safety	C	2	0	0	2	2	40%	ENE1202	Microcontrollers	C	2	2	0	3	3	40%		
ENO113	Sensors and Transducers	C	3	0	0	3	3	30%	KRY1201	Career Planning	C	1	0	0	1	2	40%		
ENO114	Electronics I	C	2	2	0	3	3	30%	Elective Course 1	E	2	1	0	2.5	4				
	TOTAL		18	8	0	22	24		Elective Course 2	E	2	0	0	2	2				
AİF101	Atatürk's Principles and History of Reforms I	C	2	0	0	2	2	40%	ATF1201	Atatürk's Principles and History of Reforms II	C	15	12	0	21	24			
TDİ101	Turkish Language I	C	2	0	0	2	2	40%	TDI201	Turkish Language II	C	2	0	0	2	2	40%		
YDİ101	Foreign Language I (English)	C	2	0	0	2	2	40%	YDİ201	Foreign Language II (English)	C	2	0	0	2	2	40%		
GRAND TOTAL			24	8	0	28	30		GRAND TOTAL			21	12	0	27	30			

SEMESTER III										
COURSE CODE	COURSE NAME	Category	T	U	L	K	ECTS	In-Term Assessment Activities(%40)		
								Written Exam	*Other Assessment Activities	
									The percentage distribution of assessment activities will be specified below.	
									Homework : 10%	
ENE2136	Electronics II	C	1	2	0	2	2	30%		
ENO2106	System Analysis and Design	C	0	2	0	1	1	40%		
ENO2112	Electric Motors and Drives	C	3	0	0	3	3	40%		
	Remise Course 1	E	3	1	0	3.5	5			
	Remise Course 2	E	3	1	0	3.5	5			
	Remise Course 3	E	3	1	0	3.5	5			
	Remise Course 4	E	2	1	0	2.5	5			
	Remise Course 5	E	2	1	0	2.5	4			
GRAND TOTAL			17	9	0	21.5	30			

SEMESTER III ELECTIVE COURSES											
COURSE CODE	COURSE NAME	Category	T	U	L	K	ECTS	In-Term Assessment Activities(%40)			
								Written Exam	*Other Assessment Activities		
										The percentage distribution of assessment activities will be specified below.	
ENO2107	Advanced Microcontrollers	E	3	1		3.5	5	30%	Homework : 10%		
ENO2116	Power Electronics	E	3	1		3.5	5	40%			
ENO2110	Automation Technologies	E	3	1		3.5	5	40%			
ENE2109	Industrial System Design	E	3	1		3.5	5	40%			
ENE2130	Smart Factory Systems	E	3	1		3.5	5	40%			
ENE2131	Data Structures and Algorithms	E	3	1		3.5	5	40%			
ENO2108	Professional Foreign Language I	E	3	1		3.5	5	40%			
ENE2102	Industrial Systems Applications with C	E	3	1		3.5	5	40%			
ENO2109	Computer Programming	E	3	1		3.5	5	40%			
ENO2111	Robot Technologies	E	3	1		3.5	4	30%	Homework : 10%		
ENE2133	Open-Channel Programming	E	3	1		3.5	4	40%			
ENE2134	Communication and Ethics	E	3	1		3.5	4	40%			
ENE2135	Artificial Intelligence and Robot Technologies	E	3	1		3.5	4	40%			

SEMESTER IV										
COURSE CODE	COURSE NAME	Category	T	U	L	K	ECTS	In-Term Assessment Activities(%40)		Prac. %40
								Written Exam	*Other Assessment Activities	
The percentage distribution of assessment activities will be specified below.										
ENO2201	VOCATIONAL TRAINING ON SITE	C	5	22	0	16	30			

SEMESTER II ELECTIVE COURSES														
COURSE CODE								In-Term Assessment Activities (%40)		Other Assessment Activities				
								Written Exam		Other Assessment Activities		The percentage distribution of assessment activities will be specified below.		
COURSE NAME								Category	T	U	L	K	ECTS	Homework : 10%
ENE1210 SCADA Systems								E	3	1		2.5	3	30%
ENE1211 Introduction to Deep Learning								E	2	1		2.5	3	40%
ENE1212 Medical Devices								E	3	1		2.5	3	40%
ENE1213 Signal Processing Technologies								E	3	0		2	2	40%
ENE1214 Energy Efficiency								E	3	0		2	2	40%
ENE1215 Industrial Edge Systems and IoT Applications								E	3	0		2	2	40%
ENE1216 Industrial Robotics, Smart Manufacturing and Basic Control Systems								E	3	0		2	2	40%
ENE1217 Process of Things								E	2	0		2	2	40%
ENE1218 Concept of Artificial Intelligence and Ethics								E	3	0		2	2	40%
ENE1219 Machine Learning and Algorithms								E	3	0		2	2	40%
ENE1220 Control Artificial Intelligence								E	3	0		2	2	40%
ENE1221 Professional Foreign Language II								E	3	0		2	2	40%
ENE1222 Introduction to Nanotechnology								E	3	0		2	2	40%
ENE1223 Introduction to Data Science								E	3	0		2	2	40%

In-term assessment activities specified in Article 21, Paragraph 3 of the Balkeşir University Associate and Undergraduate Education and Examination Regulations include: project, portfolio, assignment, seminar, presentation, practice, design, laboratory studies, composition, report, jury evaluation, oral exam, quiz, sketch exam, etc.

*YDİ101 Foreign Language I (English) **YDİ201 Foreign Language II (English)
 *YDİ101 Foreign Language I (German) **YDİ201 Foreign Language II (German)
 *YDİ101 Foreign Language I (French) **YDİ201 Foreign Language II (French)

CATEGORY :
 C Compulsory
 E Elective