

BALIKESIR UNIVERSITY
BALIKESIR VOCATIONAL SCHOOL
MINING AND MINING DIVISION DEPARTMENT
MINING AND TECHNOLOGY PROGRAM
2022-2023 ACADEMIC YEAR COURSE PLAN

1. YEAR 1. TERM								1. YEAR 2. TERM							
COURSE CODE	COURSE TITLE	Category	T	A	C	L	ECTS	COURSE CODE	COURSE TITLE	Category	T	A	C	L	ECTS
MAD1101	Mineralogy and Petrography	V	2	1	2.5	0	3	MAD1201	Preparation and Excavation Works in Mines	V	3	1	3.5	0	3
MAD1102	Scientific Principles of Technology	V	2	1	2.5	0	3	MAD1206	Industrial Raw Materials and Techniques	V	3	1	3.5	0	3
MAD1103	Technical Mathematics	V	3	0	3	0	3	MAD1208	Ore Preparation	V	2	2	3	0	2
MAD1108	Geology	V	2	2	3	0	3	MAD1202	Drilling Technique	V	1	1	1.5	0	2
MAD1105	Chemistry	V	2	1	2.5	0	3	MAD1213	Geological Mapping	V	1	1	1.5	0	2
MAD1109	Surveying and Mapping Information	V	2	2	3	0	3		OPTIONAL COURSE	E	2	0	2	0	4
MAD1111	Computer Applications-I	V	1	1	1.5	0	2		OPTIONAL COURSE	E	2	0	2	0	4
									OPTIONAL COURSE	E	0	0	0	0	8
	TOTAL		14	8	18	0	20		TOTAL		14	6	17	0	28
AIT1101	The Ataturk Principles and History of Revaluation-I	C	2	0	2.0	0	2	AIT1201	The Ataturk Principles and History of Revaluation-II	C	2	0	2	0	2
TDI1101	Turkish Language-I	C	2	0	2.0	0	2	TDI1201	Turkish Language-II	C	2	0	2	0	2
YDI1101	Foreign Language-I	C	2	0	2.0	0	2	YDI1201	Foreign Language-II	C	2	0	2	0	2
GENERAL TOTAL			20	8	24	0	26	GENERAL TOTAL			20	6	23	0	34

1.nd YEAR 2.OPTIONAL COURSES							
MAD1209	Rock Mechanics	E	2	0	2	0	4
MAD1212	Quality Assurance and Standards	E	2	0	2	0	4
MAD1210	Mineral Deposits	E	2	0	2	0	4
MAD1211	Statistics	E	2	0	2	0	4
STJ1201	Internship	E	0	0	0	0	8
STJ1202	Field Applications	E	0	0	0	0	8

2. YEAR 1. TERM								2. YEAR 2.TERM							
COURSE CODE	COURSE TITLE	Category	T	A	C	L	ECTS	COURSE CODE	COURSE TITLE	Category	T	A	C	L	ECTS
MAD2111	Mineral Processing	V	2	1	2.5	0	3	MAD2214	Mining Machinery	V	3	0	3	0	3
MAD2112	Open-Pit Methods	V	3	0	3	0	3	MAD2215	Flotation	V	2	1	2.5	0	4
MAD2113	Underground Mining Methots	V	3	0	3	0	4	MAD2216	Plant Design and Management Economy	V	3	0	3	0	3
MAD2114	Transportation and Water Drainage in Mines	V	2	1	2.5	0	3	MAD2217	Coal Processing Technology	V	2	0	2	0	2
MAD2115	Mine Ventilation and Safety	V	3	0	3	0	3	MAD2221	Occupational Heath and Safety	V	2	0	2	0	2
MAD2116	Support	V	2	1	2.5	0	4	MAD2218	Computer Applications-II	V	1	1	1.5	0	4
	OPTIONAL COURSE	E	1	1	1.5	0	5		OPTIONAL COURSE	E	2	0	2	0	4
	OPTIONAL COURSE	E	1	1	1.5	0	5		OPTIONAL COURSE	E	2	0	2	0	4
									OPTIONAL COURSE	E	2	0	2	0	4
	TOTAL		17	5	19.5	0	30		TOTAL		19	2	20	0	30

2.nd YEAR 1.OPTIONAL COURSES								2.nd YEAR 2.OPTIONAL COURSES							
MAD2117	Mining and Labor Law	E	1	1	1.5	0	5	MAD2220	Environmnet and Waste Management	E	2	0	2	0	4
MAD2118	Technical English	E	1	1	1.5	0	5	MAD2209	Explosive Material Techniques and Applications	E	2	0	2	0	4
MAD2109	Solid-Liquid Separation	E	1	1	1.5	0	5	MAD2210	Marble Production and Processing Techniques	E	2	0	2	0	4
MAD2110	Hydrometallurgy	E	1	1	1.5	0	5	MAD2211	Gemstones and Processing Technology	E	2	0	2	0	4
								MAD2222	Project	E	0	2	1	0	4
								MAD2213	Research Methods and Techniques	E	2	0	2	0	4

CATEGORY :

C Compulsory

E Elective

V Vocational