

**MUĞLA SITKI KOÇMAN UNIVERSITY**  
**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES MINING ENGINEERING DEPARTMENT**  
**DOCTOR OF PHILOSOPHY GRADUATE PROGRAM**

DERSİN KODU	SINIF	Y.Y	DERSİN ADI	T	U	L	AKTS	TÜRÜ
MINE6721	1	1	Special Studies	4	0	0	6	Z
FBE5080	1	1	Research Methods and Scientific Ethics **	2	0	0	2	Z
MINE6001	1	1	Automation In Mineral Processing Plants	3	0	0	6	Z
MINE5XX	1	1	Elective/ Mandatory Course***	3	0	0	4	S/Z
MINE5XX	1	1	Elective/ Mandatory Course***	3	0	0	6	S
MINE5XX	1	1	Elective/ Mandatory Course***	3	0	0	6	S
MINE5XX	1	1	Elective/ Mandatory Course***	3	0	0	6	S
TOPLAM							30	
MINE6722	1	2	Special Studies *	4	0	0	6	Z
MINE6790	1	2	Seminar ****	0	2	0	6	Z
MINE6002	1	2	Design Analysis in Rock Mechanics	3	0	0	6	Z
MINE5XX	1	1	Elective/ Mandatory Course***	3	0	0	6	S
MINE5XX	1	1	Elective/ Mandatory Course***	3	0	0	6	S
MINE5XX	1	1	Elective/ Mandatory Course***	3	0	0	6	S
TOPLAM							30	
MINE6723	2	3	Special Studies *	4	0	0	6	Z
MINE6820	2	3	Preparation for Qualifying Exam	0	0	0	24	Z
TOPLAM							30	
MINE6724	2	4	Special Studies *	4	0	0	6	Z
MINE6821	2	4	Ph.D. Thesis Proposal	0	0	0	24	Z
TOPLAM							30	
MINE6725	3	5	Special Studies *	4	0	0	6	Z
MINE6822	3	5	Ph.D.Thesis (1. TİK)	0	0	0	24	Z
TOPLAM							30	
MINE6726	3	6	Special Studies *	4	0	0	6	Z
MINE6823	3	6	Ph.D.Thesis (2. TİK)	0	0	0	24	Z
TOPLAM							30	
MINE6727	4	7	Special Studies *	4	0	0	6	Z
MINE6824	4	7	Ph.D.Thesis (3. TİK)	0	0	0	24	Z
TOPLAM							30	
MINE6728	4	8	Special Studies *	4	0	0	6	Z
MINE6825	4	8	Ph.D.Thesis (Thesis Defence)	0	0	0	24	Z
TOPLAM							30	

**MİNİMUM MEZUNİYET AKTS TOPLAM**

**240**

\* Uzmanlık Alan Dersi, bir öğrenci için 4 ve birden fazla öğrenci için 8 saat teorik derstir.

\*\* Lisansüstü eğitimi boyunca bir defa alınır.

\*\*\* Seçmeli Dersler listesinden seçilir.

\*\*\*\* Seminer dersi güz ve/veya bahar yarıyılında açılabilir ve bir defa alınır.

SEÇMELİ DERSLER HAVUZU

DERSİN KODU	DERSİN ADI	T	U	L	AKTS	TÜRÜ
FBE5550	Project Development and Management	3	0	0	6	S
MINE5571	Advanced Comminution Techniques	3	0	0	6	S
MINE5575	Strata Control in Underground Coal Mining	3	0	0	4	S
MINE5577	Analysis and Design of Tunnels in Soft Ground	3	0	0	4	S
MINE5579	Electrochemical Methods in Mineral Processing	3	0	0	6	S
MINE5581	Colloidal Particles in Mineral Processing	3	0	0	6	S
MINE5583	Processing of Critical Raw Materials	3	0	0	6	S
MINE5574	Rock Slope Analysis in Mining and Civil Engineering	3	0	0	6	S
MINE5576	Stratification in Gravity Concentrators	3	0	0	6	S
MINE5578	Fundamentals of Theoretical Rock Mechanics	3	0	0	6	S
MINE5580	Chemistry and Technology of Coal	3	0	0	6	S
MINE5582	Advanced Gold Hydrometallurgy	3	0	0	4	S
MINE 5501	Drilling and Blasting in Mining and Tunnelling	3	0	0	6	S
MINE 5503	Surface Mine Design	3	0	0	6	S
MINE 5505	Instrumentation and Measurements Techniques in Rock Mechanics	3	0	0	6	S
MINE 5507	Excavation Engineering	3	0	0	6	S
MINE 5509	Environmental Issues in Mining	3	0	0	6	S
MINE 5513	Cement Manufacturing Technology	3	0	0	6	S
MINE 5515	Ultrafine Grinding	3	0	0	6	S
MINE 5517	Advanced Coal Preparation	3	0	0	6	S
MINE 5519	Biological Processes in Metal Extraction	3	0	0	6	S
MINE 5521	Solution Mining	3	0	0	6	S
MINE 5523	Chemistry of Mineral-Water Systems	3	0	0	6	S
MINE 5525	Particle Characterisation	3	0	0	6	S
MINE 5527	Dimension Stone Production Techniques	3	0	0	6	S
MINE 5531	Principles of Gravity Concentration	3	0	0	6	S
MINE 5533	Interfacial Phenomena in Mineral Processing	3	0	0	6	S
MINE 5539	Advanced Rock Mechanics I	3	0	0	6	S
MINE 5541	Data Analysis in Mineral Processing	3	0	0	6	S
MINE 5504	Occupational Health and Safety Issues in Mines	3	0	0	6	S
MINE 5506	Advanced Rock Mechanics II	3	0	0	6	S
MINE 5508	Numerical Methods in Rock Mechanics	3	0	0	6	S
MINE 5510	Underground Mine Design	3	0	0	6	S
MINE 5512	Computer Applications in Mineral Processing	3	0	0	6	S
MINE 5514	Measurement, Modeling and Control of Mineral Processing Plants	3	0	0	6	S
MINE 5516	Mineral Processing Plants of Turkey and the World	3	0	0	6	S
MINE 5518	Instrumental and Laboratory Analysis Techniques	3	0	0	6	S
MINE 5520	Extractive Metallurgy	3	0	0	6	S
MINE 5522	Advanced Flotation	3	0	0	6	S
MINE 5524	Solid-Liquid Separation Techniques	3	0	0	6	S
MINE 5526	Environmental Issues in Mineral Processing	3	0	0	6	S
MINE 5528	Dimension Stone Processing Technology	3	0	0	6	S
MINE 5530	Mine Feasibility, Planning and Project Evaluation	3	0	0	6	S
MINE 5532	Mechanization and Automation in Mines	3	0	0	6	S
MINE 5534	Advances in Mineral Processing	3	0	0	6	S