

MUĞLA SITKI KOÇMAN ÜNİVERSİTESİ / MÜHENDİSLİK FAKÜLTESİ
DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING
METALURJİ VE MALZEME MÜHENDİSLİĞİ BÖLÜMÜ
EĞİTİM ÖĞRETİM PROGRAMI

Ders Kodu	Ders Adı			Kredi					Ön Koşul	Yan Koşul
				T	U	L	K	Z/S		
CHEM 1851	General Chemistry I	1	1	3	0	2	6	Z		
ENG 1803	Academic Writing and Oral Presentation Skills I	1	1	1	2	0	2	Z		
MATH 1851	Calculus I	1	1	4	2	0	6	Z		
MME 1005	History of Metallurgy	1	1	2	0	0	3	Z		
PHYS 1851	General Physics I	1	1	3	0	2	6	Z		
ISG 1801	Occupational Health and Safety I	1	1	2	0	0	2	Z		
TDB 1801	Turkish I	1	1	2	0	0	2	Z		
	Free Elective (BDS/BIS)	1	1				3	S		
							AKTS	30		

				T	U	L	K	Z/S	Ön Koşul	Yan Koşul
ENG 1804	Academic Writing and Oral Presentation Skills II	1	2	1	2	0	2	Z		
MATH 1852	Calculus II	1	2	4	2	0	6	Z		
MME 1004	Materials in Practice	1	2	3	0	0	3	Z		
PHYS 1852	General Physics II	1	2	3	0	2	6	Z		
ISG 1802	Occupational Health and Safety II	1	2	2	0	0	2	Z		
TDB 1802	Turkish II	1	2	2	0	0	2	Z		
MME 1006	Technical Drawing	1	2	1	2	0	3	Z		
							AKTS	30		

				T	U	L	K	Z/S	Ön Koşul	Yan Koşul
MATH 2853	Differential Equations	2	3	3	0	0	4	Z		
MME 2007	Mechanical Behavior of Materials	2	3	3	0	0	4	Z		
MME 2013	Ceramic Materials I	2	3	3	0	0	4	Z		
MME 2015	Metallurgical Thermodynamics I	2	3	3	0	0	5	Z		
STA 2801	Engineering Statistics	2	3	3	0	0	4	Z		
	Technical Elective (BIS)	2	3				4	S		
	Free Elective (BDS/BIS)	2	3				3	S		
MME 2505	Nano Materials and Nano Technology	2	3	3	0	0	4	S		
MME 2513	Materials Physics	2	3	3	0	0	4	S		
MME 2515	Metallurgy in Turkey	2	3	3	0	0	4	S		
MME 2517	Environmental Impact of Metallurgical and Materials Industry	2	3	3	0	0	4	S		
							AKTS	30		

			T	U	L	K	Z/S	Ön Koşul	Yan Koşul
ATB 2802	Principles of Kemal Atatürk II	2	4	2	0	0	2	Z	
MATH 2854	Basic Linear Algebra for Engineers	2	4	3	0	0	4	Z	
MME 2014	Ceramic Materials II	2	4	3	0	0	4	Z	MME 2013
MME 2016	Metallurgical Thermodynamics II	2	4	3	0	0	5	Z	MME 2015
MME 2018	Phase Diagrams	2	4	3	0	0	4	Z	
	Technical Elective (BIS)	2	4				8	S	
	Free Elective (BDS/BIS)	2	4				3	S	
MME 2504	Heat Treatment of Materials	2	4	3	0	0	4	S	
MME 2506	Refractory Materials	2	4	3	0	0	4	S	
MME 2508	Polymeric Materials	2	4	3	0	0	4	S	
MME 2510	Electronic and Optical Properties of Materials	2	4	3	0	0	4	S	
MME 2514	Glass and Glass-Ceramics	2	4	3	0	0	4	S	
						AKTS	30		

			T	U	L	K	Z/S	Ön Koşul	Yan Koşul
MME 3000	Summer Practice I	3	5	0	0	0	4	Z	
MME 3003	Solidification and Casting I	3	5	3	0	0	4	Z	
MME 3009	Chemical Metallurgy 1	3	5	3	0	0	4	Z	
MME 3011	Materials Characterization Techniques I	3	5	4	0	2	5	Z	
MME 3015	Physical Metallurgy I	3	5	3	0	0	5	Z	
MME 3017	Transport Phenomena	3	5	3	0	0	4	Z	
	Technical Elective (BIS)	3	5				4	S	
MME 3509	Alloys I	3	5	3	0	0	4	S	
MME 3511	Composite Materials	3	5	3	0	0	4	S	
MME 3513	Crystallography	3	5	3	0	0	4	S	
MME 3515	Macromolecular Material Processing	3	5	3	0	0	4	S	
MME 3517	Materials Research I	3	5	1	0	2	2	S	
						AKTS	30		

			T	U	L	K	Z/S	Ön Koşul	Yan Koşul
MME 3004	Solidification and Casting II	3	6	3	0	0	4	Z	
MME 3010	Chemical Metallurgy II	3	6	3	0	0	4	Z	
MME 3012	Materials Characterization Techniques II	3	6	4	0	2	5	Z	
MME 3014	Computer Applications in Met. And Mat. Eng.	3	6	1	2	0	4	Z	
MME 3016	Physical Metallurgy II	3	6	3	0	0	5	Z	
	Technical Elective (BIS)	3	6				8	S	
MME 3518	Powder Metallurgy	3	6	3	0	0	4	S	
MME 3520	Alloys II	3	6	3	0	0	4	S	
MME 3522	Joining and Welding of Materials	3	6	3	0	0	4	S	
MME 3524	Materials Energy and Balance	3	6	3	0	0	4	S	
MME 3526	Basics of Recycling	3	6	3	0	0	4	S	
MME 3528	Materials Research II	3	6	1	0	2	2	S	MME 3517
						AKTS	30		

			T	U	L	K	Z/S	Ön Koşul	Yan Koşul
MME 4000	Summer Practice II	4	7	3	0	0	4	Z	
MME 4015	Application of Materials Processing and Design I	4	7	0	4	0	4	Z	
MME 4017	Material Selection and Design	4	7	2	1	0	3	Z	
MME 4019	Materials Characterization Techniques III	4	7	3	0	0	3	Z	
MME 4021	Materials Processing Laboratory	4	7	0	1	3	4	Z	
	Technical Elective (BIS)	4	7				12	S	
MME 4509	Advanced Ceramic Materials	4	7	3	0	0	4	S	
MME 4515	Surface Modification Techniques	4	7	3	0	0	4	S	
MME 4519	Phase Transformations	4	7	3	0	0	4	S	
MME 4521	Materials for Energy Storage and Conversion	4	7	3	0	0	4	S	
MME 4523	Plasticity and Deformation Process	4	7	3	0	0	4	S	
MME 4525	Smart Materials	4	7	3	0	0	4	S	
							AKTS	30	

			T	U	L	K	Z/S	Ön Koşul	Yan Koşul
MME 4006	Application of Materials Processing and Design II	4	8	0	6	0	6	Z	MME 4015
MME 4008	Corrosion and Corrosion Protection	4	8	3	0	0	4	Z	
	Technical Elective (BIS)	4	8				20	S	
MME 4506	Biomaterials	4	8	3	0	0	4	S	
MME 4512	Archaeometallurgy	4	8	3	0	0	4	S	
MME 4516	Coating Processes and Evaluation of Turbine Parts Coatings	4	8	3	0	0	4	S	
MME 4522	Electrochemical Energy Systems	4	8	3	0	0	4	S	
MME 4524	Failure Analysis	4	8	3	0	0	4	S	
MME 4526	Iron and Steel Production	4	8	3	0	0	4	S	
							AKTS	30	

Mezuniyet için alınması gereken minimum AKTS kredisi / Minimum ECTS Credit for Graduation		240
Zorunlu Dersler AKTS / Required Course ECTS	Ortak Zorunlu / Common Required	12
	Zorunlu / Required	163
Seçimli Dersler AKTS / Elective Courses ECTS	Teknik Seçmeli / Technical Elective (BİS)	56
	Serbest Seçmeli / Free Elective (BDS/BİS)	9
NOT 1:	Seçmeli derslerin kredisi birden fazla ders alınarak sağlanabilir. Seçmeli derslerde (BİS/BDS) döneminde alınma şartı aranmaz.	
NOT 2:	Öğrencilerin mezun olabilmesi için 9 AKTS'lik serbest seçmeli ders alması gerekmektedir. Serbest seçmeli dersler döneminde alınma şartı aranmaksızın Bölüm Dışı Seçmeli (BDS) / Bölüm İçi Seçmeli (BİS) dersleri arasında seçilebilir.	
NOT 3:	(MME 3000, MME 4000) dersleri güz ve bahar dönemi olmak üzere iki dönemde açılır. MME 4015 dersinin bahar döneminde açılması için mezuniyet durumundaki öğrencinin dersi seçeceği öğretim üyesi ve akademik danışman onayı gerekmektedir.	