

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					Z/S	Ön Koşul	Yan Koşul
				T	U	L	K				
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			

								Z/S	Ön Koşul	Yan Koşul
CHEM 1852	General Chemistry II	1	2	3	0	2	6	Z		
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		

								Z/S	Ön Koşul	Yan Koşul
ATB 2801	Principles of Kemal Ataturk I	2	3	2	0	0	2	Z		
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 2507	Metallurgy in Turkey	2	3	2	0	0	3	S		
MME 2513	Materials Physics	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 I	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	
						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	
						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 arasından seçilebilir.
NOT 3:	(MME 3000, MME 4000, MME 4015, MME 4006) dersleri güz ve bahar dönemi omak üzere iki dönemde açılır.