

NECMETTİN ERBAKAN ÜNİVERSİTESİ

MÜHENDİSLİK-MİMARLIK FAKÜLTESİ

METALURJİ VE MALZEME MÜHENDİSLİĞİ (%100 İNGİLİZCE) MÜFREDATI

<b>Birinci Yarıyıl</b>						
<b>Ders Kodu</b>	<b>Dersin Adı</b>	<b>T</b>	<b>U</b>	<b>UK</b>	<b>AKTS</b>	
MME101	Physics-1	2	2	3	5	
MME102	Mathematics-1	2	2	3	5	
MME103	General Chemistry-1	2	2	3	5	
MME104	Advanced English-1	3	0	3	4	
MME105	Atatürk's Principles & Revolution History-1	2	0	2	2	
MME106	Introduction to Metallurgical and Materials Engineering	2	0	2	4	
MME107	Turkish Literature-1	2	0	2	2	
MME108	Introduction to Computer & Information Systems	1	1	2	3	
<b>Toplam</b>		<b>16</b>	<b>7</b>	<b>20</b>	<b>30</b>	

<b>İkinci Yarıyıl</b>						
<b>Ders Kodu</b>	<b>Dersin Adı</b>	<b>T</b>	<b>U</b>	<b>UK</b>	<b>AKTS</b>	
MME121	Physics-2	2	2	3	5	
MME122	Mathematics-2	2	2	3	5	
MME123	General Chemistry-2	2	2	3	5	
MME124	Advanced English-2	3	0	3	4	
MME125	Turkish Literature-2	2	0	2	2	
MME126	Technical Drawing	1	2	3	4	
MME127	Probability and Statistics	3	0	3	3	
MME128	Atatürk's Principles & Revolution History -2	2	0	2	2	
<b>Toplam</b>		<b>17</b>	<b>8</b>	<b>22</b>	<b>30</b>	

<b>Üçüncü Yarıyıl</b>						
<b>Ders Kodu</b>	<b>Dersin Adı</b>	<b>T</b>	<b>U</b>	<b>UK</b>	<b>AKTS</b>	
MME201	Materials Science-1	2	1	3	4	
MME202	Extractive Metallurgy	3	0	3	4	
MME203	Statics and Strength of Materials	2	0	3	4	
MME204	Thermodynamics of Materials-1	2	1	3	5	
MME205	Differential Equations	4	0	4	5	
MME206	Academic Oral Presentation Skills	3	0	3	4	
<b>Technical Seçmeli Ders (T.S.) (1 ders seçilecektir)</b>						
MME207	Failure Analysis	2	0	3	4	
MME208	Mineral Processing	2	0	3	4	
<b>Toplam</b>		<b>18</b>	<b>2</b>	<b>22</b>	<b>30</b>	

<b>Dördüncü Yarıyıl</b>					
<b>Ders Kodu</b>	<b>Dersin Adı</b>	<b>T</b>	<b>U</b>	<b>UK</b>	<b>AKTS</b>
MME221	Thermodynamics of Materials-2	3	0	3	5
MME222	Computer Modelling and Design	1	1	3	4
MME223	Mechanical Metallurgy	2	1	3	5
MME224	Materials Science-2	3	0	4	5
MME225	Fundamentals of Manufacturing Technologies	3	0	3	5
MME226	Summer Practice-1	0	0	0	2
<b>Technical Seçmeli Ders (T.S.) (1 ders seçilecektir)</b>					
MME227	X-Ray Diffraction Technique	2	0	3	4
MME228	Metallurgical Pretreatments	2	0	3	4
<b>Toplam</b>		<b>14</b>	<b>2</b>	<b>22</b>	<b>30</b>

<b>Beşinci Yarıyıl</b>					
<b>Ders Kodu</b>	<b>Dersin Adı</b>	<b>T</b>	<b>U</b>	<b>UK</b>	<b>AKTS</b>
MME301	Phase Equilibria	3	0	3	4
MME302	Transport Phenomena	3	0	3	4
MME303	Materials Characterization	2	2	3	4
MME304	Chemical Metallurgy	3	0	3	4
MME305	Metallic Materials and Metallography	2	1	3	4
MME306	Materials Processing Lab	0	3	3	4
MME307	Polymer Materials	3	0	3	4
<b>Technical Seçmeli Ders (T.S.) (1 ders seçilecektir)</b>					
MME308	Electrical, Optical, and Magnetic Properties of Materials	2	0	3	3
MME309	Hydrometallurgy	2	0	3	3
<b>Toplam</b>		<b>18</b>	<b>6</b>	<b>24</b>	<b>30</b>

<b>Altıncı Yarıyıl</b>					
<b>Ders Kodu</b>	<b>Dersin Adı</b>	<b>T</b>	<b>U</b>	<b>UK</b>	<b>AKTS</b>
MME321	Iron and Steelmaking	3	0	3	4
MME322	Ceramic Materials	3	0	3	4
MME323	Metallurgical Processing Lab	0	3	3	4
MME324	Kinetics	2	0	3	4
MME325	Casting and Solidification	3	0	3	4
MME326	Physical Metallurgy	3	0	3	4
MME327	Summer Practice-1	0	0	0	2
<b>Technical Seçmeli Ders (T.S.) (1 ders seçilecektir)</b>					
MME328	Energy Materials	2	0	3	4
MME329	Powder Metallurgy	2	0	3	4
<b>Toplam</b>		<b>16</b>	<b>3</b>	<b>21</b>	<b>30</b>

<b>Yedinci Yarıyıl</b>					
<b>Ders Kodu</b>	<b>Dersin Adı</b>	<b>T</b>	<b>U</b>	<b>UK</b>	<b>AKTS</b>
<b>MME401</b>	Principles of Corrosion and Corrosion Protection	3	0	4	5
<b>MME402</b>	Non-ferrous Metal Metallurgy	3	0	4	5
<b>MME403</b>	Occupational Health and Safety-1	1	0	1	2
<b>MME404</b>	Materials Engineering Design-1	0	3	4	7
<b>Technical Seçmeli Ders (T.S.) (2 ders seçilecektir)</b>					
<b>MME405</b>	Electrometallurgy	2	0	3	4
<b>MME406</b>	Non-Destructive Testing of Materials	2	0	3	4
<b>MME407</b>	Metal Casting Techniques	2	0	3	4
<b>MME408</b>	Composite Materials	2	0	3	4
<b>MME409</b>	Computational Materials Science	2	0	3	4
<b>Serbest Seçmeli Ders (1 ders seçilecektir)</b>					
<b>MME410</b>	Philosophy of Science	2	0	2	3
<b>MME411</b>	Business Law	2	0	2	3
<b>Toplam</b>		<b>13</b>	<b>3</b>	<b>21</b>	<b>30</b>

<b>Sekizinci Yarıyıl</b>					
<b>Ders Kodu</b>	<b>Dersin Adı</b>	<b>T</b>	<b>U</b>	<b>UK</b>	<b>AKTS</b>
<b>MME421</b>	Enterpreneurship	1	0	1	2
<b>MME422</b>	Occupational Health and Safety-2	1	0	1	2
<b>MME423</b>	Materials Engineering Design-2	0	3	4	7
<b>Technical Seçmeli Ders (T.S.) (4 ders seçilecektir)</b>					
<b>MME424</b>	Surface Treatments	2	0	3	4
<b>MME425</b>	Welding Technology	2	0	3	4
<b>MME426</b>	Nanomaterials	2	0	3	4
<b>MME427</b>	Advanced Ceramics	2	0	3	4
<b>MME428</b>	Biomaterials	2	0	3	4
<b>MME429</b>	Thin Films Fabrication and Characterization	2	0	3	4
<b>Serbest Seçmeli Ders (1 ders seçilecektir)</b>					
<b>MME430</b>	Business Life and Quality Control	2	0	2	3
<b>MME431</b>	Introduction to Research	2	0	2	3
<b>Toplam</b>		<b>14</b>	<b>3</b>	<b>20</b>	<b>30</b>

**T:** Teori      **U:** Uygulama      **UK:** Ulusal Kredi      **AKTS:** Avrupa Kredi Transfer Sistemi