

MAKİNE MÜHENDİSLİĞİ TEKNOLOJİLERİ PROGRAMI						
Sayı	Dersin Kodu	Dersin Adı	Dersin İngilizce Adı	Z/S	T-P-K	AKTS
1	MMT5000	Uzmanlık Alanı (Yüksek Lisans)	Specialization Field Course (Master)	Z	6 0 0	6
2	MMT5010	Yüksek Lisans Semineri	Master Seminar	Z	0 2 0	6
3	MMT5020	Yüksek Lisans Tezi	Master Thesis	Z	0 1 0	24
4	MMT5030	AKIŞKANLAR MEKANİĞİNDE MATEMATİKSEL YÖNTEMLER	Mathematical Methods in Fluid Mechanics	S	3-0-3	6
5	MMT5040	ISI TRANSFERİNDE DENEYSEL ÇALIŞMALAR	Experimental Studies in Heat Transfer	S	3-0-3	6
6	MMT5050	HİDROLİK VE PNÖMATİK KONTROL	Hydrolic and Pneumatic Control	S	3-0-3	6
7	MMT5060	MALZEME TEKNİĞİ	Material Techniques	S	3-0-3	6
8	MMT5070	İLERİ SOĞUTMA TEKNİĞİ	Advanced Refrigeration Techniques	S	3-0-3	6
9	MMT5080	ABSORPSİYONLU SOĞUTMA SİSTEMLERİ	Absorption Cooling Techniques	S	3-0-3	6
10	MMT5090	UYGULAMALI TERMODİNAMİK	Applied Thermodynamics	S	3-0-3	6
11	MMT5100	ISI DEĞİŞTİRİCİLERİNİN DIZAYNI	Design of Heat Exchangers	S	3-0-3	6
12	MMT5110	BİLGİSAYAR DESTEKLİ SAYISAL ANALİZ	Computer Aided Numerical Analysis	S	3-0-3	6
13	MMT5120	BİLGİSAYAR DESTEKLİ TASARIM	Computer Aided Design	S	3-0-3	6
14	MMT5130	GÜÇ REAKTÖRLERİNİN TERMODİNAMİK ANALİZİ	Thermodynamic Analysis of Power Reactors	S	3-0-3	6
15	MMT5140	PROSES TEKNİĞİ	Process Technique	S	3-0-3	6
16	MMT5150	AKIŞLAR DİNAMİĞİNDE ÖZEL KONULAR	Special Topics in Fluid Dynamics	S	3-0-3	6
17	MMT5160	MOTOR KONSTRÜKSİYONU	Construction of Engine	S	3-0-3	6
18	MMT5170	İÇTEN YANMALI MOTORLAR	Internal Combustion Engines	S	3-0-3	6
19	MMT5180	TAŞIT KONSTRÜKSİYONU	Vehicle Construction	S	3-0-3	6
20	MMT5190	YANMA TEORİSİNDE ÖZEL KONULAR	Special Topics in Combustion Theory	S	3-0-3	6
21	MMT5200	İÇTEN YANMALI MOTORLARDA ÖZEL KONULAR	Special Topics in Internal Combustion Engines	S	3-0-3	6
22	MMT5210	İÇTEN YANMALI MOTORLARDA KARIŞIM OLUŞUMU	Mixture Generation in Internal Combustion Engines	S	3-0-3	6
23	MMT5220	YAĞLAMA TEORİLERİ VE TAŞIT YAĞLARI	Lubrication Theories and Vehicle Oils	S	3-0-3	6
24	MMT5230	İLERİ OTO ELEKTRONİĞİ	Advanced Auto Electronics	S	3-0-3	6
25	MMT5240	ELEKTRONİK KONTROL SİSTEMLERİ	Electronic Control Systems	S	3-0-3	6
26	MMT5250	ENDÜSTRİYEL KALİTE KONTROLÜ	Industrial Quality Control	S	3-0-3	6
27	MMT5260	TRİBOLOJİK SİSTEMLER	Tribological Systems	S	3-0-3	6
28	MMT5270	NÜMERİK KONTROLLÜ TEZGAHLAR VE SİSTEMLER	Numerically Controlled Machines and Systems	S	3-0-3	6
29	MMT5280	HASARIN METALURJİK ANALİZİ	Metallurgical Analysis of Damage	S	3-0-3	6
30	MMT5290	SERT METAL TEKNİĞİ VE SİNERLENMİŞ KARBÜRLER	Hard Metal Technique and Sintered Carbides	S	3-0-3	6
31	MMT5300	CAM SİSTEMLERİNDE YAZILIM VE TASARIM	Design and Software in Systems of Cam	S	3-0-3	6
32	MMT5310	MAKİNE TASARIMI	Machine Design	S	3-0-3	6
33	MMT5320	İLERİ MAKİNE ELEMANLARI	Advanced Machine Elements	S	3-0-3	6
34	MMT5330	OTOMOTİV SİSTEMLERİ ANALİZİ	Automotive Systems Analysis	S	3-0-3	6
35	MMT5340	DENEYSEL ÇALIŞMALARDA TAŞINIM	Convection in Experimental Studies	S	3-0-3	6
36	MMT5350	KESİCİ TAKIM TEKNOLOJİSİ	Cutting Tool Technologies	S	3-0-3	6
37	MMT5360	MAKİNE TASARIMINDA GÜVENİLİRLİK	Reliability in Machine Design	S	3-0-3	6
38	MMT5370	BAKIM TEKNİĞİ	Maintenance Technic	S	3-0-3	6
39	MMT5380	MAKİNE TASARIMINDA MALZEME SEÇİMİ	Material Selection in Machine Design	S	3-0-3	6
40	MMT5390	HAFIF METALLERİN YORULMA DAVRANIŞLARI	Fatigue Behaviour of Lightweight Materials	S	3-0-3	6
41	MMT5400	METALLERİN YORULMASI	Fatigue of Metals	S	3-0-3	6
42	MMT5410	EKSTRÜZYON KALIPLAMA TEKNOLOJİSİ	Extrusion Molding Technology	S	3-0-3	6
43	MMT5420	DÖVME KALIP TEKNOLOJİSİ	Forged Die Technology	S	3-0-3	6
44	MMT5430	ENJEKSİYONLA KALIPLAMA TEKNOLOJİSİ	Injection Molding Technology	S	3-0-3	6
45	MMT5440	TERMOSET VE VAKUMLA KALIPLAMA TEKNOLOJİSİ	Thermoset and Vacuum Molding Technology	S	3-0-3	6
46	MMT5450	İŞ KALIPLARI TASARIMI	Work Pattern Design	S	3-0-3	6
47	MMT5460	MEKANİK SİSTEMLERDE MODELLEME VE SİMÜLASYON	Modelling and Simulation on Mechanical Systems	S	3-0-3	6
48	MMT5470	BIYOMEKANİK DİZAYN, SİMÜLASYON VE ANALİZ	Biomechanical Design, Simulation and Analysis	S	3-0-3	6
49	MMT5480	EKLEM BIYOMEKANİĞİ	Joint Biomechanics	S	3-0-3	6
50	MMT5490	ISI TRANSFERİ VE AKIŞKANLAR MEKANİĞİNDE SEÇME KONULAR	Special Topics on Heat Transfer and Fluid Mechanics	S	3-0-3	6
51	MMT5500	İKLİMLENDİRME TEKNİĞİ	Air Conditioning Technique	S	3-0-3	6
52	MMT5510	TESİSAT PROJE TEKNİKLERİ	Installation Project Techniques	S	3-0-3	6
53	MMT5520	İLERİ ELEKTROEROZYON İMALAT YÖNTEMLERİ	Advanced Electrodischarge Machining Processes	S	3-0-3	6
54	MMT5530	CNC TEZGAHLARINDA MAKRO PROGRAMLAMA VE UYGULAMASI	Macro Programming and Application on CNC Machines	S	3-0-3	6
55	MMT5540	ISI TRANSFERİ VE AKIŞKANLAR DİNAMİĞİNDE SAYISAL YÖNTEMLER	Numerical Methods in Heat Transfer and Fluid Dynamics	S	3-0-3	6
56	MMT5550	ISITMA, HAVALANDIRMA VE KLİMA	Heating, Ventilation and Air Conditioner	S	3-0-3	6
57	MMT5560	GÜNEŞ KAYNAKLI ISIL SİSTEMLERİN ANALİZ VE TASARIMI	Analysis and Design of Solar Based Thermal Systems	S	3-0-3	6
58	MMT5570	ENDÜSTRİYEL AKIŞ ÖLÇÜM TEKNİKLERİ	Industrial Flow Measurement Techniques	S	3-0-3	6
59	MMT5580	DOĞAL GAZ VE LPG TESİSATI	Natural Gas and LPG Installations	S	3-0-3	6
60	MMT5590	TERMO-AKIŞKANLARDA SONLU ELEMEN ANALİZİ	Finite Element Analysis in Thermo-Fluids	S	3-0-3	6
61	MMT5600	ISI POMPASI TEORİ VE UYGULAMALARI	Theory of Heat Pump and Applications	S	3-0-3	6
62	MMT5610	GÜNEŞ ENERJİSİ UYGULAMALARI	Solar Energy Applications	S	3-0-3	6
63	MMT5620	PLASTİK ENJEKSİYON KALIP TASARIMI VE İMALAT YÖNTEMLERİ	Plastic Injection Mold Design and Manufacturing Methods	S	3-0-3	6
64	MMT5630	SAÇ METAL KALIP TASARIMI VE ANALİZİ	Sheet Metal Die Design and Analysis	S	3-0-3	6
65	MMT5640	TAKIM TEZGAHLARININ MEKANİĞİ	Mechanics of Workbench	S	3-0-3	6
66	MMT5650	İLERİ TALAŞLI ÜRETİM TEKNİĞİ	Advanced Machining Technique	S	3-0-3	6
67	MMT5660	TAKIM TEZGAHLARI TASARIMI	Design of Machine Tools	S	3-0-3	6
68	MMT5670	PLASTİK ŞEKİL DEĞİŞTİRME TEKNOLOJİSİ	Plastic Deformation Technology	S	3-0-3	6
69	MMT5680	BİLGİSAYAR DESTEKLİ TASARIM VE TÜMLEŞİK İMALAT YÖNTEMLERİ	Computer Aided Design and Integrated Manufacturing Methods	S	3-0-3	6
70	MMT5690	ENDÜSTRİYEL ROBOTLAR VE PROGRAMLAMALARI	Industrial Robots and Programming	S	3-0-3	6
71	MMT5700	MİKRO DÜZEYDE AKIŞ VE ISI TRANSFERİ	Micro Scale Flow and Heat Transfer	S	3-0-3	6
72	MMT5710	TAŞINIMLA ISI GEÇİŞİ	Heat Transfer by Convection	S	3-0-3	6
73	MMT5720	AKIŞKAN GÜÇ SİSTEMLERİ VE KONTROLÜ	Fluid Power Systems and Control	S	3-0-3	6
74	MMT7000	Uzmanlık Alanı (Doktora)	Specialization Field Course (PhD)	Z	8 0 0	6
75	MMT7010	Doktora Semineri	PhD Seminar	Z	0 2 0	6
76	MMT7020	Doktora Tezi	PhD Thesis	Z	0 1 0	24
77	MMT7030	Doktora Yeterlik	PhD Qualification	Z	0 0 0	24