

Fen Bilimleri Enstitüsü
Makine Mühendisliği (İngilizce) / Makine Mühendisliği (İngilizce)
Doktora

Genel Toplam Ders Adedi :8 T : 24 U : Kredi : 60 ECTS : 60 T+U : 24

1. YARIYIL						
No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	ME-CC1-DR	Core - 1 (Ders 1) <small>[Bu ders ME-CC1-DR ders grubundan alınacaktır, aşağıya bakınız]</small>	3	0	8	8
2	ME-EC1,2,3-DR	Elective - 1-2-3 (Ders 1) <small>[Bu ders ME-EC1,2,3-DR ders grubundan alınacaktır, aşağıya bakınız]</small>	3	0	8	8
3	ME-EC1,2,3-DR	Elective - 1-2-3 (Ders 2) <small>[Bu ders ME-EC1,2,3-DR ders grubundan alınacaktır, aşağıya bakınız]</small>	3	0	8	8
4	ME-EC1,2,3-DR	Elective - 1-2-3 (Ders 3) <small>[Bu ders ME-EC1,2,3-DR ders grubundan alınacaktır, aşağıya bakınız]</small>	3	0	8	8
Toplam			12	0	32	32

2. YARIYIL						
No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	FBE-ES	Enstitü Seçimlik (Ders 1) <small>[Bu ders FBE-ES ders grubundan alınacaktır, aşağıya bakınız]</small>	3	0	4	4
2	ME-CC2-DR	Core - 2 (Ders 1) <small>[Bu ders ME-CC2-DR ders grubundan alınacaktır, aşağıya bakınız]</small>	3	0	8	8
3	ME-EC4,5-DR	Elective - 4-5 (Ders 1) <small>[Bu ders ME-EC4,5-DR ders grubundan alınacaktır, aşağıya bakınız]</small>	3	0	8	8
4	ME-EC4,5-DR	Elective - 4-5 (Ders 2) <small>[Bu ders ME-EC4,5-DR ders grubundan alınacaktır, aşağıya bakınız]</small>	3	0	8	8
Toplam			12	0	28	28

ME-CC1-DR						
No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	ME8001	Continuum Mechanic	3	0	8	8
2	ME8002	Convection Heat Transfer	3	0	8	8
3	ME8003	Conduction Heat Transfer	3	0	8	8
4	ME8005	Design for Manufacturing	3	0	8	8
5	ME8008	Advanced Computational Fluid Dynamics	3	0	8	8
6	ME8012	Materials in Manufacturing and Design	3	0	8	8
7	ME8022	Advanced Control System Design	3	0	8	8
8	ME8025	Data Acquisition and Signal Processing Techniques	3	0	8	8

FBE-ES						
No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	FBE8001	İleri Araştırma Metodları	3	0	4	4
2	FBE8002	Advanced Research Methods	3	0	4	4
3	FBE8003	Fen ve Mühendislikte Öğretim ve Öğrenme	3	0	4	4
4	FBE8004	Teaching and learning in Science and Engineering	30	0	4	4

ME-EC4,5-DR						
No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS
1	ME8002	Convection Heat Transfer	3	0	8	8
2	ME8004	Nonlinear Dynamic Systems	3	0	8	8
3	ME8006	Computer Integrated Manufacturing	3	0	8	8
4	ME8007	Advanced Topics in Robotics	3	0	8	8
5	ME8008	Advanced Computational Fluid Dynamics	3	0	8	8
6	ME8009	Reliability in Design	3	0	8	8
7	ME8011	Fatigue in Machine Design	3	0	8	8
8	ME8012	Materials in Manufacturing and Design	3	0	8	8
9	ME8013	Product Design	3	0	8	8
10	ME8014	Total Quality Development	3	0	8	8
11	ME8015	Knowledge-Based Design of Systems	3	0	8	8
12	ME8016	Production Tooling	3	0	8	8
13	ME8017	Intelligent Control Systems	3	0	8	8
14	ME8018	Telerobotics and Human Supervisory Control	3	0	8	8
15	ME8020	Probabilistic Mechanical Design	3	0	8	8
16	ME8021	Metal Forming	3	0	8	8
17	ME8022	Advanced Control System Design	3	0	8	8
18	ME8023	Identification of Mechanical Systems	3	0	8	8

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19	ME8025	Data Acquisition and Signal Processing Techniques	3	0	8	8
20	ME8026	Random Vibrations	3	0	8	8
21	ME8028	Plasticity	3	0	8	8
22	ME8031	Advanced Mathematics for Engineers	3	0	8	8
23	ME8041	Kinematic Synthesis of Mechanisms	3	0	8	8
24	ME8042	Boundary Layer Theory	3	0	8	8
25	ME8051	Special Topics in Design and Manufacturing	3	0	8	8
26	ME8053	Special Topics and Mechanics and Control	3	0	8	8
27	ME8055	Special Topics in Thermo-Fluid Systems	3	0	8	8
28	ME8057	Modern Power Plant Systems	3	0	8	8
29	ME8058	Modern Power Plant Design	3	0	8	8
30	ME8071	Advanced Combustion	3	0	8	8
31	ME8072	Radiation Heat Transfer	3	0	8	8
32	ME8073	Energy Decision Support Tools	3	0	8	8
33	ME8074	Gas Turbine Design	3	0	8	8
34	ME8076	Wind Power System Design	3	0	8	8
35	ME8081	Compressible Fluid Flow	3	0	8	8
36	ME8083	Turbulence Modeling	3	0	8	8

ME-EC1,2,3-DR							
No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS	
1	ME8002	Convection Heat Transfer	3	0	8	8	
2	ME8004	Nonlinear Dynamic Systems	3	0	8	8	
3	ME8006	Computer Integrated Manufacturing	3	0	8	8	
4	ME8007	Advanced Topics in Robotics	3	0	8	8	
5	ME8008	Advanced Computational Fluid Dynamics	3	0	8	8	
6	ME8009	Reliability in Design	3	0	8	8	
7	ME8011	Fatigue in Machine Design	3	0	8	8	
8	ME8012	Materials in Manufacturing and Design	3	0	8	8	
9	ME8013	Product Design	3	0	8	8	
10	ME8014	Total Quality Development	3	0	8	8	
11	ME8015	Knowledge-Based Design of Systems	3	0	8	8	
12	ME8016	Production Tooling	3	0	8	8	
13	ME8017	Intelligent Control Systems	3	0	8	8	
14	ME8018	Telerobotics and Human Supervisory Control	3	0	8	8	
15	ME8020	Probabilistic Mechanical Design	3	0	8	8	
16	ME8021	Metal Forming	3	0	8	8	
17	ME8022	Advanced Control System Design	3	0	8	8	
18	ME8023	Identification of Mechanical Systems	3	0	8	8	
19	ME8025	Data Acquisition and Signal Processing Techniques	3	0	8	8	
20	ME8026	Random Vibrations	3	0	8	8	
21	ME8028	Plasticity	3	0	8	8	
22	ME8031	Advanced Mathematics for Engineers	3	0	8	8	
23	ME8041	Kinematic Synthesis of Mechanisms	3	0	8	8	
24	ME8042	Boundary Layer Theory	3	0	8	8	
25	ME8051	Special Topics in Design and Manufacturing	3	0	8	8	
26	ME8053	Special Topics and Mechanics and Control	3	0	8	8	
27	ME8055	Special Topics in Thermo-Fluid Systems	3	0	8	8	
28	ME8057	Modern Power Plant Systems	3	0	8	8	
29	ME8058	Modern Power Plant Design	3	0	8	8	
30	ME8071	Advanced Combustion	3	0	8	8	
31	ME8072	Radiation Heat Transfer	3	0	8	8	
32	ME8073	Energy Decision Support Tools	3	0	8	8	
33	ME8074	Gas Turbine Design	3	0	8	8	
34	ME8076	Wind Power System Design	3	0	8	8	
35	ME8081	Compressible Fluid Flow	3	0	8	8	
36	ME8083	Turbulence Modeling	3	0	8	8	

ME-CC2-DR							
No	Ders Kodu	Ders Adı	T	U	Kredi	ECTS	
1	ME8001	Continuum Mechanic	3	0	8	8	
2	ME8002	Convection Heat Transfer	3	0	8	8	
3	ME8003	Conduction Heat Transfer	3	0	8	8	
4	ME8005	Design for Manufacturing	3	0	8	8	
5	ME8008	Advanced Computational Fluid Dynamics	3	0	8	8	
6	ME8012	Materials in Manufacturing and Design	3	0	8	8	
7	ME8022	Advanced Control System Design	3	0	8	8	
8	ME8025	Data Acquisition and Signal Processing Techniques	3	0	8	8	