

1.Yarıyıl Course Planı

Course Code	Course Name	T+A+L	Compulsory/ Elective	ECTS
SEC 1	Elective Course	-	Elective	7,5
SEC 2	Elective Course	-	Elective	7,5
SEC 3	Elective Course	-	Elective	7,5
MATH 501	Analytical Methods in Engineering	3+0+0	Compulsory	7,5

2.Yarıyıl Course Planı

Course Code	Course Name	T+A+L	Compulsory/ Elective	ECTS
MEC 580	Seminar	0+0+0	Compulsory	3,0
NAS 522	Scientific Research Methods and Ethics	3+0+0	Compulsory	4,5
MEC 501	Numerical Methods in Mechanical Engineering	3+0+0	Compulsory	7,5
SEC 4	Elective Course	-	Elective	7,5
SEC 5	Elective Course	-	Elective	7,5

3.Yarıyıl Course Planı

Course Code	Course Name	T+A+L	Compulsory/ Elective	ECTS
MEC 590	Thesis Study	0+0+0	Compulsory	30,0

4.Yarıyıl Course Planı

Course Code	Course Name	T+A+L	Compulsory/ Elective	ECTS
MEC 590	Thesis Study	0+0+0	Compulsory	30,0

SEÇMELİ COURSELER

Course Code	Course Name	T+A+L	Compulsory/ Elective	ECTS
MEC 520	Principles of Robotics	3+0 +0	Elective	7,5
MEC 521	Advanced Solar Energy Utilization	3+0 +0	Elective	7,5
MEC 522	Advanced Fluid Mechanics	3+0 +0	Elective	7,5
MEC 523	Advanced Heat Transfer	3+0 +0	Elective	7,5
MEC 541	Modern Control	3+0 +0	Elective	7,5
MEC 542	Vehicle Dynamics	3+0 +0	Elective	7,5
MEC 543	Kinematic Analysis of Mechanisms	3+0 +0	Elective	7,5
MEC 544	Theory of Elasticity	3+0 +0	Elective	7,5
MEC 545	Plasticity & Comp. Aided Metal Forming	3+0 +0	Elective	7,5
MEC 546	Introduction to Continuum Mechanics	3+0 +0	Elective	7,5
MEC 547	Thermodynamics II	3+0 +0	Elective	7,5
MEC 548	Micro and Nano Scale Heat Transfer	3+0 +0	Elective	7,5
MEC 549	Mechanical Analysis of Composite Materials through MATLAB	3+0 +0	Elective	7,5
MEC 551	Non-Traditional Production Processes	3+0 +0	Elective	7,5
MEC 552	Finite Element Analysis in Solid Mechanics	3+0 +0	Elective	7,5
MEC 553	Nonlinear Vibrations	3+0 +0	Elective	7,5
MEC 554	Engineering Fracture Mechanics	3+0 +0	Elective	7,5
MEC 555	Computer-Aided Design (CAD)	3+0 +0	Elective	7,5
MEC 556	Advanced Machinery Vibrations	3+0 +0	Elective	7,5
MEC 562	Mechanics of Composite Materials	3+0 +0	Elective	7,5