



ANTALYA BİLİM
UNIVERSITY

GRADUATION PROJECT BASIC FIELDS AND TOPICS

COLLEGE OF ENGINEERING AND NATURAL SCIENCES

DEPARTMENT OF MECHANICAL ENGINEERING

Prof. Dr. Selim SİVRİOĞLU	
<i>Basic Fields of Study</i>	<ul style="list-style-type: none"> • System Dynamics • Control System Design • Mechanical Vibrations
<i>Graduation Project Topics</i>	<ul style="list-style-type: none"> • Modeling And Simulation of Dynamic Systems • Vehicle Dynamics • Modeling, Controlling And Simulation of Aircraft And Robotic Systems
<i>The Necessary Conditions for Graduation Project</i>	<p>In order to select the graduation project from this branch,</p> <ul style="list-style-type: none"> • The students have to pass the ME 451 Course with at least C grade. • The students have to know Matlab/Simulink Programme.
Prof. Dr. M. Fatih BAY	
<i>Basic Fields of Study</i>	<ul style="list-style-type: none"> • Experimental Particle Physics • Development of Particle And Radiation Detectors • Neutrino Physics
<i>Graduation Project Topics</i>	<ul style="list-style-type: none"> • Design And Development of Radiation Detectors (Hardware or Software) • Topics that students want to develop together in the field of Mechanical Engineering
<i>The Necessary Conditions for Graduation Project</i>	
Asst. Prof. Sezgi KOÇAK SOYLU	
<i>Basic Fields of Study</i>	<ul style="list-style-type: none"> • Heat Transfer • Thermodynamics • Nanotechnology
<i>Graduation Project Topics</i>	<ul style="list-style-type: none"> • Heat Exchanger Design • Evaporative Cooling • Cold Storage Design
<i>The Necessary Conditions for Graduation Project</i>	<p>In order to select the graduation project from this branch,</p> <ul style="list-style-type: none"> • The students have to pass the ME 241 Thermodynamics I, ME 242 Thermodynamics II, ME 341 Heat Transfer I and ME 342 Heat Transfer II courses with at least C grade.

Asst. Prof. Ömer Etkâ HATİP	
<i>Basic Fields of Study</i>	<ul style="list-style-type: none"> • Measurement Techniques • Mechanics • Machine Elements
<i>Graduation Project Topics</i>	<ul style="list-style-type: none"> • Design and Manufacture of a Miniature Experimental Set for Mechanical and Electrical Power Equivalence and Efficiency Measurement.
<i>The Necessary Conditions for Graduation Project</i>	<p>In order to select the graduation project from this branch,</p> <ul style="list-style-type: none"> • The students must have received or be currently enrolled in the following courses: ME 204 Measurement Techniques, ME 322 Machine Elements II, and ME 212 Strength II.
Asst. Prof. Üyesi Hamit KENAN	
<i>Basic Fields of Study</i>	<ul style="list-style-type: none"> • Structural Analysis with Finite Element Method • Machine Elements • Transport Technique • Computer-Aided Design
<i>Graduation Project Topics</i>	<ul style="list-style-type: none"> • Design, Static and Dynamic Analysis of Structural Elements • Design of Transport Systems (Elevator, Crane vs.) • Seismic Analysis of Transport Systems • Seismic Isolator Design
<i>The Necessary Conditions for Graduation Project</i>	
Asst. Prof. Üyesi Kayra KURŞUN	
<i>Basic Fields of Study</i>	<ul style="list-style-type: none"> • Engineering Mechanics • Mechanic Vibrations • Engineering Acoustics
<i>Graduation Project Topics</i>	<ul style="list-style-type: none"> • Vibration Analysis of A Cantilever Beam • Handheld Ultrasonic Camera Design For The Detection of Living Things Under The Wreckage • Prototype Building Earthquake Simulator Design
<i>The Necessary Conditions for Graduation Project</i>	<p>In order to select the graduation project from this branch,</p> <ul style="list-style-type: none"> • The students have to pass the ME 352 Mechanic Vibrations course with at least C grade.



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