

**MIDDLE EAST TECHNICAL UNIVERSITY
MECHANICAL ENGINEERING DEPARTMENT
APPLICATION FORM for Ph.D. QUALIFICATION EXAMINATION**

Student Name			
Student ID		E-Mail	
Student Signature		Date	
Thesis Title			
Thesis Supervisor			
Signature of Supervisor		Date	
Thesis Co-supervisor			

1. **Ph.D. Qualification Written Exam - Part 1:** Mathematics is compulsory;
Select **three additional subjects either from MECHANICS or THERMOFLUIDS group by considering your major area of thesis subject.**

MATHEMATICS (ME 210, ME 521)

<u>MECHANICS GROUP</u>	
Mechanics of Solids (ME 206)	<input type="checkbox"/>
Dynamics (ME 208)	<input type="checkbox"/>
Theory of Machines (ME 301, ME 302)	<input type="checkbox"/>
Control Systems (ME 304)	<input type="checkbox"/>
Production (ME 303)	<input type="checkbox"/>
Machine Elements (ME 307, ME 308)	<input type="checkbox"/>

<u>THERMOFLUIDS GROUP</u>	
Thermodynamics (ME 203, ME 204)	<input type="checkbox"/>
Fluid Mechanics (ME 305, ME 306)	<input type="checkbox"/>
Heat Transfer (ME 311, ME 312)	<input type="checkbox"/>

2. **Ph.D. Qualification Written Exam - Part 2:** Mathematics is compulsory;
Select **three additional subjects either from MECHANICS or THERMOFLUIDS group by considering your major* area of thesis subject.**

MATHEMATICS (ME 540)

<u>MECHANICS GROUP</u>	
Advanced Dynamics (ME 502)	<input type="checkbox"/>
Modern Control (ME 511)	<input type="checkbox"/>
Vibration of Continuous Systems (ME 526)	<input type="checkbox"/>
Plasticity (ME 541)	<input type="checkbox"/>
Theory of Elasticity (ME 543)	<input type="checkbox"/>
Int. to Continuum Mechanics (ME 547)	<input type="checkbox"/>

<u>THERMOFLUIDS GROUP</u>	
Advanced Gas Dynamics (ME 503)	<input type="checkbox"/>
Advanced Heat Transfer I (ME 504)	<input type="checkbox"/>
Advanced Heat Transfer II (ME 505)	<input type="checkbox"/>
Advanced Fluid Mechanics (ME 517)	<input type="checkbox"/>
Advanced Thermodynamics I (ME 537)	<input type="checkbox"/>
Int. to Continuum Mechanics (ME 547)	<input type="checkbox"/>

**Ph.D. students, who are studying in an interdisciplinary area may choose two subjects from their major group and one subject from their minor group by the proposal of their supervisor and approval of the Departmental Ph.D. Qualifier Committee. (If your major is MECHANICS, your minor is THERMOFLUIDS, and vice versa.)*