

ANKARA YILDIRIM BEYAZIT UNIVERSITY
DEPARTMENT OF MECHANICAL ENGINEERING PhD. QUALIFICATION EXAM

Mechanical Engineering PhD Qualification Exam will be given twice in a year in December and May. This exam consist of one written exam and one oral exam. Both written and oral examinations has to be completed in January or June. PhD students that take PhD Qualification Exam must submit “PhD Qualification Exam Jury Formation Form” to Institute of Natural Sciences until at the end of add/drop week in relevant semester.

a) Written Exam

This exam consists of 5 subjects, including mathematics (ENGR 201 - Engineering Mathematics I, ENGR 202 - Engineering Mathematics II and MCE 502 - Applied Mathematics for Engineers) is compulsory. Other 4 subjects can be chosen between 11 subjects stated below by student and the supervisor. Chosen subjects should be notified to the head of department as a written document by supervisor before one month from the qualification exam. Only one question is prepared from each subject and the exam consists of 5 questions. It is not allowed to use any note or book in the exam. Date of written exam and exam results will be announced by PhD Qualification Exam Committee.

Elective Subjects:

- Dynamics (MCE 206 - Dynamics)
- Strength (MCE 205 - Strength of Materials I and MCE 210 - Strength of Materials II)
- Thermodynamics (MCE 203 - Thermodynamics I and MCE 204 - Thermodynamics II)
- Heat Transfer (MCE 307 - Heat Transfer)
- Fluid Mechanics (MCE - 301 Fluid Mechanics I and MCE 318 - Fluid Mechanics II)
- Thermal Power Engineering (MCE 320 - Thermal Power Engineering)
- Control Systems (MCE 309 - System Dynamics and Control)
- Theory of Machines (MCE 303 - Mechanisms and MCE 304 - Dynamics of Machinery)
- Machine Elements (MCE 305 - Machine Elements I and MCE 306 - Machine Elements II)
- Manufacturing (MCE 208 - Manufacturing Technologies)
- Material Science (MCE 201 - Material Science and MCE 202 - Engineering Materials)

b) Oral Exam

This exam will be given to determine fund of knowledge, competency and research tendency of student in relevant scientific field. Date of oral exam will be designated by PhD Qualification Jury. In this exam, students may be asked questions that they could not answer in written exam or about their thesis studies.

Exam results will be announced by PhD Qualification Exam Committee after all students take PhD Qualification Exam. For matters not stated here, the provisions of Ankara Yıldırım Beyazıt University Graduate Education and Training Regulations are applied.