

PROCEDURE OF THE MECHANICS COMPREHENSIVE EXAM

Applying to the comprehensive exam: The Mechanics Comprehensive Exam course must be joined through the Neptun system by the date and method regulated by the Rules and Regulations of the University of Debrecen (RRUD). In the beginning of the exam period, the Students are able to join their preferred exam date by the method regulated by the RRUD, if the requirements of the Dynamics and Vibration course have been fulfilled. The comprehensive exam has a credit value of zero.

The course of the comprehensive exam: The comprehensive exam has to be completed before a minimum two-member Comprehensive Exam Committee. The Students gather in the room defined by the exam description 10 minutes before the start of the exam. The comprehensive exam begins with a written exam. The finished tests will be corrected immediately after being collected. The results of the written exam will be shared with the students by the head of the Comprehensive Exam Committee. If the written exam was a failure, the Student cannot take part in the oral exam, the mark of the comprehensive exam in this case is a fail (1). The Students who succeeded the written exam will continue with the oral part of the comprehensive exam. Before the Comprehensive Exam Committee, the Students will draw three topics. 30 minutes will be provided to elaborate the topics. After the oral exam, the Comprehensive Exam Committee will aggregate the results and announce results of the Mechanics Comprehensive Exam.

Tasks of the written exam: The Students have to solve two Statics, two Strength of Materials, one Dynamics and one Vibration practice examples under 90 minutes. The tasks worth ten points each, meaning the maximum number of points in the written exam is 60. To successfully complete the written exam Student's will have to collect at least 50% of the maximum points, but it is also required to complete 30% of each subject.

Topics of the oral exam: For the oral exam students will have to study 10 Statics, 10 Strength of Materials and 10 Dynamics and Vibration topics. During the exam the Students will draw one topic of each subject, which will have to be elaborated under 30 minutes. The Students will hand the elaborated topics to the Comprehensive Exam Committee, and answer their questions. In the oral exam a maximum of 30 points can be collected (10 points for each topic). Students will have to collect at least 30% of each subject's topic in order to successfully complete the oral exam. The elaboration only serves as an outline to the topic, the Comprehensive Exam Committee determines the points by the correctly answered questions.

Mark of the comprehensive exam: Students who have failed the written exam are immediately rewarded with a mark of 1. For the other Students, the summary of the written and the oral exams represents the final mark in the following way:

- 81-90 points: *excellent* (5)
- 72-80 points: *good* (4)
- 59-71 points: *satisfactory* (3)
- 45-58 points: *pass* (2)
- 0-44 points: *fail* (1)

Identification of the students: In order to enter the exam room Students are required to show a photo ID.

Appearance: formal attire.

In the questions not detailed above, the RRUD provides more information.