

Final exams will be held in December 2022 and January 2023.

You need to register to the exam in **NEPTUN**.

The dates according to CET:

- **19/12/2022, 10 am – 12 am**
- **21/12/2022, 10 am – 12 am**
- **23/12/2022, 10 am – 12 am**
- **9/1/2023, 10 am – 12 am → only for those who failed previously, you cannot register to this one as your first exam!**

I will send out the exam **by email** to those, who registered at the given date and time.

You need to solve it and **send it back to me by email under 120 min with the subject: EXAM!**

My email address is varbai.balazs@gpk.bme.hu

I only accept **handwriting!**

I only accept exams sent back in the **120 min** time interval!

- There will be 3 questions about a technology. You need to answer these in detail! **→ 3 × 20 points**
 - Examples for topics: iron and steel making, cold forming technologies, hot forming technologies, powder metallurgy, casting, arc and resistance welding, other welding technologies, etc.
- There will be 1 question, where you need to select the right material grade for a project. You will also need to give the heat treatment and the manufacturing technology. Groups of material grades will be given, you will need to select the proper one from this group. **→ 40 points**
- **I will only ask what I have talked about during the semester.**

Grades based on the European Credit Transfer System (ECTS) will correspond to grades used in the University as follows:

Grade **5** (excellent) 85 – 100 points

Grade **4** (good) 73 – 84 points

Grade **3** (satisfactory) 65 – 72 points

Grade **2** (pass) 50 – 64 points

Grade **1** (fail) 0 – 49 points