Announcement of the Exam "Engineering Mechanics I"
Winter Term 2020/21

Time: Wednesday, 24.03.2021, 19:00h – 20:30h

Location: DM Arena

Additives: - No additives permitted
- A formulary will be handed out together with the exam

To bring along: - Student ID
- Single paper sheets (max. 30 sheets)
- Stapler

Mind the detailed announcement about additives, exam and exam preparation

The actual deadlines for registration for the exam (76-T-MACH-100282-englisch)) are announced at studium.kit.edu

The seating list will be announced in ILIAS only a few days before the exam.

For further information please visit: www.itm.kit.edu/cm→ Exam
Detailed announcement of additives

- Additives are **not** permitted in the exam
  (i.e., no calculators, mobiles, tablets, notebooks, lecture notes, books, etc.).
  - A formulary of EM I will be handed out together with the exam.
    Only this formulary will be permitted for the exam.
  - For the exam preparation only, an electronic version of the formulary will be available in ILIAS in advance.
  - Any print outs are **not** permitted.

- Necessary equipment
  - Permitted: pens with **permanent** ink (only blue or black color)
  - **Not** permitted: e.g. pencils, pens with red color, non-permanent pens, markers, etc.
  - **Single sheets** only (i.e. no folds, etc.), max. 30 sheets, only marked with name and student No

- To bring along additionally:
  - **Student card,**
  - **Stapler** for stapling the exam and the sheets used
  - Hint: use a stamp with your name and student-No
Hints to the exam

• Solving the problems
  – Results demanded in (sub)problems are to be given only using the given quantities and variables of the problem (not necessarily within the same equation)
  – Results demanded in (sub)problems have to be marked clearly
  – Given coordinate systems are to be used (otherwise no points)
  – Diagrams are to be sketched clearly and completely (orientation of axes, labelling, line drawing)
  – All solution approaches, computations and (sub)results have to be clearly documented
  – Multiple, incompatible (sub)results and approaches can in total not be considered
  – In case of corrections: please mark wrong results or computations by clearly cancelling them

• Seating
  – The seating will be supplied in ILIAS. In case of problems, please contact Dr. Langhoff as soon as possible
  – In case of delay: up to max. 15 minutes after begin of the exam, a participation in the exam is still possible. You have to sign that you accept that the end of the exam is not changed.
  – Free rows within the lecture hall are to be kept free (even on the floor)
  – Each student is allowed to use only the seat assigned to him. It is not allowed to put jackets, sheets, bags, etc. on neighbouring seats
  – Bags are to be kept closed and below your seat (together with jackets). During the exam it is not allowed to open them without having requested the assistant in advance
  – All own sheets, the exam sheets and the additives have to remain in immediate vicinity of the own desk during the whole exam
  – Putting your sheets on neighbouring tables is only allowed in a hidden way. Otherwise, this is considered as an attempt to deceive
How to prepare

- **Certified competencies**
  - correct solution of complex problems of Engineering Mechanics I within given time
  - precise documentation of the partial and the final results

- **Structure of the exam**
  - four written problems (time approx. 20 min. each)
  - one MAPLE-problem (time approx. 10 min.)

- **Working material**
  - lecture notes EM I
  - documents of tutorial
  - own solutions to written problems
  - own solutions to computational problems
  - EM I past paper (ILIAS)
  - past papers (available from CBS)
  - further textbooks as indicated in the lecture notes

- **Preparation**
  - read the lecture notes
  - solve the example problems within lecture notes and during tutorial
  - solving past papers
  - Individual preparation
  - preparation within learning group
  - use consultation hours offered