

# Announcement of the Exam "Engineering Mechanics I" Summer Term 2021

Time: Friday, 13.08.2021, 12:00h – 13:30h

Location: See seating-list

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

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](http://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](http://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 for 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 foldes, 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