

Prep-course

Physics

This prep course (1-week block course) offers a repetition of mathematical and physical core topics relevant for successfully participating in the module “physics”. The lecture is in English language (like the module “physics”). Exercises are offered both in German and English.

The course covers the following topics:

- Physical quantities and units, SI Unit System
- Vectors: Mechanical work as inner product, lever rule based on vector product
- Trigonometric functions: Sine, Cosine, ...
- Exponential function & Logarithm
- Differential & Integral Calculus
- Measurement error

Registration for the course is possible via TUMonline. If you have no TUMonline access yet, please check course access at <https://www.cs.tum.de/studies/freshmen-information/?lang=en>. There, you can also find the lecture times. If registration does not work for you, feel free to just show up for the first lecture.

Module number: none

Level: prep-course for first semester students

Semester: 1-week block course shortly before start of winter semester

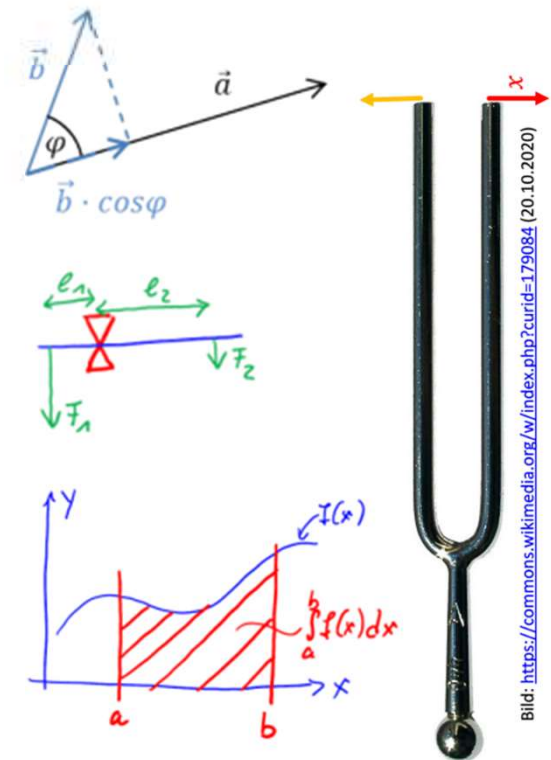
Language: English (lecture), English/German (exercises)

Lecturers: Josef Kainz et al.

Prerequisites: school mathematics/physics

→ participation in prep courses for Mathematics and Physics recommended for 1st semester Bachelor students

Credits/Hours per week per semester: 0 ECTS, 1 SWS (lecture+exercise)



Kontakt

Prof. Dr. Josef Kainz
Professur für Energietechnik
Hochschule Weihenstephan-Triesdorf
TUM Campus Straubing
josef.kainz@hswt.de