

Initial competences

Builds upon certain final competences of the course 'Electricity'.

Final competences

- 1 Recognise and analyse electronic systems.
- 2 Explain the operation principles of electronic semiconductor components, such as the diode and the transistor.
- 3 Explain the operation of basic diode and transistor circuits.
- 4 Be able to independently analyse a basic electronic system.

Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Seminar, Lecture

Learning materials and price

- English textbook: Electronic devices, conventional current version, Thomas L. Floyd, 10th edition (ISBN-13: 978-1-29-222299-8), Pearson Global Edition (70 euro)
- Syllabus seminars (4 euro)
- Hand-outs of the slides and additional documentation are available on the electronic learning environment.

References**Course content-related study coaching**

The lecturers are available for further information via various channels (during and/or after the course or by appointment).

Assessment moments

end-of-term assessment

Examination methods in case of periodic assessment during the first examination period

Written assessment with multiple-choice questions

Examination methods in case of periodic assessment during the second examination period

Written assessment with multiple-choice questions

Examination methods in case of permanent assessment**Possibilities of retake in case of permanent assessment**

not applicable

Calculation of the examination mark

Written assessment with multiple-choice questions: 100%