



**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.

**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

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

not applicable

**Calculation of the examination mark**

Written assessment with multiple-choice questions: 100%