



Self-study of a personal project + presentation of this subject for all students.  
The practical exercises are organized in small groups. The students can use PC's for circuit simulation and analysis. Simple electronic circuits are constructed on breadboards or soldered on PCB (printed circuit board). Measurement of the characteristics of these circuits.

### **Learning materials and price**

Course book used: N. Storey, Electronics: A Systems Approach – 6th ed., Prentice Hall (2017), ISBN: 9781292114064 (55 Euro)  
Handouts of course presentations and exercise notes are made available through Ufora.  
Circuit simulation software (Circuitlogix, Simetrix, LTSpice, TinaTI) is freely available.

### **References**

(These books can be useful as background information, but are certainly not obligatory or necessary)  
P. Horowitz, W. Hill, "The Art of Electronics", Cambridge Univ. Press ISBN 978-0521809269  
P. Scherz, S. Monk, Practical Electronics for Inventors, Tab Books ISBN 978-1259587542  
[http://web.mit.edu/6.101/www/reference/op\\_amps\\_everyone.pdf](http://web.mit.edu/6.101/www/reference/op_amps_everyone.pdf)

### **Course content-related study coaching**

After each lecture and during the practical exercises, questions can be asked. Personal coaching after electronic appointment.

### **Assessment moments**

end-of-term and continuous assessment

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

Written examination with open questions

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

Written examination with open questions

### **Examination methods in case of permanent assessment**

Report, Assignment

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

examination during the second examination period is possible

### **Extra information on the examination methods**

Closed book written exam for theory and exercises. The exam does not include a practical exercise.

### **Calculation of the examination mark**

Periodical evaluation for the theory part (70%) and non-periodical evaluation for the practical exercises (10%) and the individual project (20%)