**Electrical measurements (ECTS credits: 5)**

Language: the course is offered in English, Serbian and Hungarian.

**Course description:**

The course covers the basic topics of metrology, electrical measurements, and operation of electrical instruments.

The course covers the following topics: basic terms of metrology, measurement errors, processing of measurement results, measuring equipment, basic analog circuits, A/D and D/A converters, measurement of electrical quantities, electronic measurement of non-electric quantities, used characteristics of instruments.

**Aims:**

The goals of the course are the following: to introduce the terms of metrology, methods of electrical measurements, and operation of electrical instruments for the students.

Upon completion, students should be able to understand electrical measurement systems, use electrical measurement instruments, make electrical measurements, and process measurement results.