**Electrical machines 1 (ECTS credits: 5)**

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

**Course description:**

The course covers basic topics of electromagnetics, transformers, asynchronous motors, synchronous motors, and DC motors. The course deals with working principles, characteristics, examination, and application of previously mentioned electric machines.

**Aims:**

The goal of the course is to introduce students to the basic concepts of electrical machines (transformers, asynchronous motors, synchronous motors, DC motors).

Upon completion, the students should be able to understand the working principles of different electrical machines. The students should be also able to examine an electrical machine and to choose an appropriate machine for application.