**Pneumatics (ECTS credits: 5)**

Language: the course is offered in Serbian and Hungarian.

**Course description:**

The main goal of this course is to get students familiar with the features of compressed air technology along with all the contemporary possibilities of its application in mechanical engineering. It will introduce the basics of designing a compressed air system, the construction of main pipelines, and design of the logical assemblies for pneumatic control. Throughout the semester, students will learn combining, sequential, and step by step control.

**Aims:**

* Acquiring knowledge of the transfer of mechanical potential by compressed air
* Acquiring knowledge of the pneumatic components
* Acquiring knowledge of the field of pneumatic systems control

**Learning outcomes:**

After completing this course the student should be able to:

* design a pneumatic system
* maintain the pneumatic system
* improve the energy performance of the pneumatic system