**Digital technics (ECTS 6)**

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**Language: the course is offered in Serbian and Hungarian**

**Course description:**

The course covers the following topics: Boolean algebra, Laws of logic, Number systems, Combination networks, Minimize functions, Sequential networks, Registers and counters, Technical characteristics of logic elements, and the Structure of modern microprocessors and microcontrollers.

**Aims:**

Throughout the course, the students will learn methods of analysis and synthesis of combining networks. The course also introduces students to methods of analysis and synthesis of sequential networks. Real parameters of digital systems will also be covered along with the basic elements of microprocessor based systems.