

<i>Name of the subject:</i> Analogue and Digital Circuits II.	<i>NEPTUN-code:</i> BGRAD2ENND	Credits: 4 ECTS: 6
<i>Subject leader:</i> <i>Dr. István Nagy</i>	<i>Title:</i> ass. prof.	
<i>Course description:</i>		
<p>Logical circuit creation from analogue one, logical circuit families (RTL, DTL,DCTL, TTL). Basics of logical functions and their descriptions, usage and handling, sequential circuits, flip-flops counters, shift registers, memories, working and technology of digital circuits classes, SSI, MSI, LSI circuits, VLSI circuits. Microprocessors and their auxiliary circuits, buses. Micro-controllers and their usage. FPGAs. Students are expected to be familiar with the basics of digital technology, they have to analyse, establish and repair digital circuits.</p>		