Name: **Electronics**		*NEPTUN-code:* *NIEEL0EBNE*	*Number of periods/week:* full-time: 2 lec + 0 sem + 2 lab
Credit: 4 *Requirement:* mid-term mark		*Prerequisite:* -	
Responsible: Dániel Zoltán STOJCSICS, Ph.D.	*Position:* senior lecturer	*Faculty and Institute name:* John von Neumann Faculty of Informatics Institute of Applied Informatics	
Way of assessment: - 2 midterm tests during the semester - homework			
Competences			
Course description:			
Students will learn the basic tools and fields of analog signal processing, the properties, typical applications and operation of fundament electronic devices. They will obtain knowledge in computer aided design and measurement theory. Topics of the subject: Basic concepts of analogue signals; The operational amplifier; Theory of feedback; Typical linear and non-linear applications of operational amplifiers; Characteristics and operation of the basic components of electronic circuits; Using simulation to investigate electronic circuits; Basics of measurement theory; Measurement devices.			
Literature			
Henriette Steiner – Komoróczki Dr., Zsolt Kertész: Electronics, 2015-2017 (in Hungarian) Erzsébet Csepesz Iváncsyné Dr.: ELECTRONICS, Kandó Kálmán Főiskola, 2002 (in Hungarian) Henriette Steiner – Komoróczki Dr., Zsolt Kertész: Electronics, 2015-2017			