

Title <b>Electronics</b>	Code <b>1010331131010330280</b>
Field <b>Control Engineering and Robotics</b>	Year / Semester <b>2 / 3</b>
Specialty -	Course <b>core</b>
Hours Lectures: <b>2</b> Classes: -    Laboratory: <b>2</b> Projects / seminars: -	Number of credits <b>3</b>
	Language <b>polish</b>

**Lecturer:**

dr inż. Jan Deskur  
Instytut Automatyki i Inżynierii Informatycznej  
e-mail: Jan.Deskur@put.poznan.pl

**Faculty:**

Faculty of Electrical Engineering  
ul. Piotrowo 3A  
60-965 Poznań  
tel. (061) 665-2539, fax. (061) 665-2548  
e-mail: office\_deef@put.poznan.pl

**Status of the course in the study program:**

Electronics

**Assumptions and objectives of the course:**

Knowledge concerning principles of operation of the electronic circuits.

**Contents of the course (course description):**

Lectures: Analysis and synthesis of digital circuits. Integrated circuits of medium- and large-scale of integration. Applications of operational amplifiers to analogue signal processing. Analogue controllers and filters. Electronic switches, S&H, DA and AD converters; switched capacitors devices. Selected problems of industrial electronics.

Laboratory: diodes, transistors, operational amplifiers, filters.

**Introductory courses and the required pre-knowledge:**

Basic knowledge of the theory of electric circuits

**Courses form and teaching methods:**

Lectures , laboratory exercises

**Form and terms of complete the course - requirements and assessment methods:**

Written test, evaluation of laboratory reports .

**Basic Bibliography:**

-

**Additional Bibliography:**

-