Title	Code
(Sterowanie procesami ciągłymi)	**1010334141010330216**
Field: **Control Engineering and Robotics**	Year / Semester: **2 / 4**
Specialty: **-**	Course: **core**
Hours: Lectures: **1** Classes: **-** Laboratory: **1** Projects / seminars: **-**	Number of credits: **6**
	Language: **polish**

Lecturer:

dr inż. Robert Bączyk
Instytut Automatyki i Inżynierii Informatycznej

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:

Obligatory subject, common for Control and Robotics; vocational extramural study.

Assumptions and objectives of the course:

Remind the basic knowledge in respect to control theory. To develop the ability of use this theory in practice. To educate in field of analysis and synthesis of control tasks in frequency domain: lead and lag compensator.s To develop the ability of synthesis of simple Fuzzy Logic controllers.

Contents of the course (course description):

Modelling of physical objects with differential equations and transmittance. Laplace transform. Linearisation of statical and dynamical objects. Stability investigation. Properties of lead and lag compensators...

Introductory courses and the required pre-knowledge:

Differential equations, grounds of control theory.

Courses form and teaching methods:

Interactive lectures engaging students in conversation and problems solving.

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

Activity during lectures, examination.

Basic Bibliography:

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Additional Bibliography:

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