

Title Formal languages	Code 1010334421010330552
Field Computer Science	Year / Semester 1 / 2
Specialty -	Course core
Hours Lectures: 8 Classes: - Laboratory: 8 Projects / seminars: -	Number of credits 2
	Language polish

Lecturer:

dr inż. Jolanta Cybulka
Instytut Automatyki i Inżynierii Informatycznej
tel. 0-61 6653724
e-mail: jolanta.cybulka@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:

-Obligatory course, Faculty of Electrical Engineering, field Computer Science.

Assumptions and objectives of the course:

-An introduction to the theory of formal languages with the theoretical and practical aspects of their processing.

Contents of the course (course description):

-The definition of a formal language. Alphabet, syntax and the semantics of a language. The generation-like and the acceptor-like methods of syntax defining. Chomsky's classification of formal languages. Regular languages: finite automata, regular expressions. Regular languages processing via the Jflap simulator. A mention on formal methods of semantics of programming languages specification.

Introductory courses and the required pre-knowledge:

-Fundamentals of the set theory, formal logic and algebra. The basics of C language programming in the Unix/Linux environment.

Courses form and teaching methods:

-Lectures illustrated with slides and laboratory exercises.

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

-Written tests and exercises.

Basic Bibliography:

-

Additional Bibliography:

-