

Title Artificial Intelligence	Code 1010331451010330642
Field Computer Science	Year / Semester 3 / 5
Specialty -	Course core
Hours Lectures: 2 Classes: - Laboratory: 1 Projects / seminars: -	Number of credits 4
Language polish	

Lecturer:

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Faculty:

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Status of the course in the study program:

Obligatory course at the Faculty of Electrical Engineering, field of study: Computer Science.

Assumptions and objectives of the course:

Providing students with the scope of artificial intelligence - basic problems, their models and methods of solving. Presentation of exemplary applications of artificial intelligence.

Contents of the course (course description):

Main topics of artificial intelligence. Solving problems by searching. Constraint satisfaction problems. Knowledge representation and knowledge processing - first-order logic, automated reasoning. Action planning. Expert system architectures. Uncertainty and incompleteness of knowledge - probabilistic reasoning, nonmonotonic reasoning. Truth maintenance systems. Machine learning.

Introductory courses and the required pre-knowledge:

Graph search methods, fundamentals of formal logic, declarative programming, probability and statistics.

Courses form and teaching methods:

Lectures illustrated with slides, laboratory exercises.

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

Examinations and exercises.

Basic Bibliography:

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Additional Bibliography:

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