

Title <b>Artificial Intelligence</b>	Code <b>1010334461010330574</b>
Field <b>Computer Science</b>	Year / Semester <b>3 / 6</b>
Specialty -	Course <b>core</b>
Hours Lectures: <b>2</b> Classes: -    Laboratory: <b>1</b> Projects / seminars: -	Number of credits <b>5</b>
	Language <b>polish</b>

**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. Knowledge representation and knowledge processing - first-order logic, automated reasoning. Expert system architectures. Incompleteness of knowledge - nonmonotonic reasoning, truth maintenance systems. Machine learning.

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

Graph search methods, fundamentals of formal logic, declarative programming.

**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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