Course title:	**Elements of Artificial Intelligence**
Department:	F-3, Department of Computer Science
Course code:	F32-EAI
Erasmus subject code:	Informatics, Computer Science
Number of contact hours:	45 hours
Course duration:	1 semester
ECTS credits:	6
Course description:	The module introduces AI techniques for optimization, search, reasoning about actions, representing and reasoning with uncertainty and AI planning. The search techniques are applicable to problems in AI and optimisation and include: heuristic search, hill climbing, genetic algorithms, simulated annealing, tabu search, local beam search and SAT. The planning techniques are applicable to complex task planning and planning for mobile robots. Topics covered include: approaches to reasoning about actions and searching for plans efficiently, design and fine-tunning of heuristics.
Literature:	Basic literature on the subject of artificial intelligence
Course type:	Lectures and laboratories
Assessment method:	Attendance, evaluation of small projects, exam
Prerequisites:	programming languages
Primary target group:	3-rd – 4-th year computer science students
Lecturer:	Prof. Andrzej Bargieła
Contact person:	Prof. Andrzej Bargieła
Deadline for application:	15th of September
Remarks:	