



Course title	Problem solving
Institute/Division	Faculty of Computer Science and Telecommunication/ Department of Computer Science
Course code	F-1.PS_1
Erasmus subject code	11.3
Number of contact hours**	30 lecture hours (30h)
Course duration	1 semester (Fall)
ECTS credits	4
Course description (max 100	The students learn how to define the problems to solve and select
words)	the proper methods. They will try to formulate basic global
	optimization problems and implement heuristic search methods to
	solve them. They will work on individual projects.
Literature	All available materials on global optimization and heuristics.
Course type/organization	Projects (30h)
Assessment method	Realizing all project steps and presenting the results with the prepared report.
Prerequisites	
Primary target group	Computer science students: 2 nd or 3rd-year Bachelor's students
	with good programming skills.
Contact person	Joanna Kołodziej (PhD, DsC, Prof.PK)
Remarks	N/A

*please insert one of the following codes: 11.0 Mathematics, Informatics

- 11.1 Mathematics
- 11.2 Statistics
- 11.3 Informatics, Computer Science
- 11.4 Artificial Intelligence 11.5 Actuarial Science
- 11.9 Others Mathematics, Informatics

^{**1} lecture hour=45 minutes