

FACULTY:	Department of Mechanical Engineering
FIELD OF STUDY:	Transport
ERASMUS COORDINATOR OF THE FACULTY:	Dr hab. inż. Agnieszka Kułakowska, Prof. PK
E-MAIL ADDRESS OF THE COORDINATOR:	agnieszka.kulakowska@tu.koszalin.pl
COURSE TITLE:	Operational Researches
LECTURER'S NAME:	Dr hab. inż. Agnieszka Kułakowska, Prof. PK
E-MAIL ADDRESS OF THE LECTURER:	agnieszka.kulakowska@tu.koszalin.pl
COURSE CODE (USOS):	10
ECTS POINTS FOR THE COURSE:	5 ECTS
ACADEMIC YEAR:	2026/2027
SEMESTER: (W – winter, S – summer)	W
HOURS IN SEMESTER:	15+15
LEVEL OF THE COURSE: (1 st cycle, 2 nd cycle, 3 rd cycle)	1 st cycle
TEACHING METHOD: (lecture, laboratory, group tutorials, seminar, other-what type?)	Lecture, practice
LANGUAGE OF INSTRUCTION:	English
ASSESSMENT METOD: (written exam, oral exam, class test, written reports, project work, presentation, continuous assessment, other – what type?)	Written exam
COURSE CONTENT:	Geometric method, simplex method, transport problem, upper-left corner method, smallest element method, VAM method, e-perturbation method, potential method, optimisation of processes, mathematical model, research object, results analysis, real problems in scientific environments
ADDITIONAL INFORMATION:	

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