

FACULTY:	Department of Mechanical Engineering
FIELD OF STUDY:	Mechanics and Machine Building
ERASMUS COORDINATOR OF THE FACULTY:	Dr hab. inż. Agnieszka Kułakowska, Prof. PK
E-MAIL ADDRESS OF THE COORDINATOR:	<a href="mailto:agnieszka.kulakowska@tu.koszalin.pl">agnieszka.kulakowska@tu.koszalin.pl</a>
COURSE TITLE:	Basic of engineering researches
LECTURER'S NAME:	Dr hab. inż. Agnieszka Kułakowska, Prof. PK
E-MAIL ADDRESS OF THE LECTURER:	<a href="mailto:agnieszka.kulakowska@tu.koszalin.pl">agnieszka.kulakowska@tu.koszalin.pl</a>
COURSE CODE (USOS):	8S
ECTS POINTS FOR THE COURSE:	5 ECTS
ACADEMIC YEAR:	2026/2027
SEMESTER: (W – winter, S – summer)	S
HOURS IN SEMESTER:	15+15
LEVEL OF THE COURSE: (1 <sup>st</sup> cycle, 2 <sup>nd</sup> cycle, 3 <sup>rd</sup> cycle)	1 <sup>st</sup> cycle
TEACHING METHOD: (lecture, laboratory, group tutorials, seminar, other-what type?)	Lecture + Practise
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:	Determining factors for the entrance test object - preliminary planning. Plans reconnaissance. The mathematical model of the test object. Identification of objects multivariate regression analysis. Identification of multi-dimensional objects using factor analysis - two-storey and three-level appropriate plans for experiments. Composite plans a five experiments. Calculations in STATISTICA and EPLANNER.
ADDITIONAL INFORMATION:	

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