

FACULTY:	Department of Mechanical Engineering
FIELD OF STUDY:	Transport
ERASMUS COORDINATOR OF THE FACULTY:	Prof. nadzw. dr hab. inż. Agnieszka Kułakowska
E-MAIL ADDRESS OF THE COORDINATOR:	agnieszka.kulakowska@tu.koszalin.pl
COURSE TITLE:	Simulation researches of construction
LECTURER'S NAME:	Prof. nadzw. dr hab. inż. Łukasz Bohdal
E-MAIL ADDRESS OF THE LECTURER:	lukasz.bohdal@tu.koszalin.pl,
ECTS POINTS FOR THE COURSE:	3 ECTS
ACADEMIC YEAR:	2020/2021
SEMESTER: (W – winter, S – summer)	S
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 METHOD: (written exam, oral exam, class test, written reports, project work, presentation, continuous assessment, other – what type?)	Written exam
COURSE CONTENT:	The scope of the course includes the following topics: Introduce students with methods to build of physical, mathematical and computer models. Presentation of the process of modeling, simulation and design optimization. Analysis of the behavior of mechanical objects under the loads. Analysis of stress and strain in the constructions, machine elements using numerical analysis and specialized software.
ADDITIONAL INFORMATION:	

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