

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:	agnieszka.kulakowska@tu.koszalin.pl
COURSE TITLE:	Material science II
LECTURER'S NAME:	Dr hab inż. Tomasz Rydzkowski, dr inż. M. Pancielejko
E-MAIL ADDRESS OF THE LECTURER:	Tomasz.rydzkowski@tu.koszalin.pl ; mieczyslaw.pancielejko@tu.koszalin.pl
COURSE CODE (USOS):	2S
ECTS POINTS FOR THE COURSE:	2 ECTS
ACADEMIC YEAR:	2025/2026
SEMESTER: (W – winter, S – summer)	S
HOURS IN SEMESTER:	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?)	Laboratory
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:	<ol style="list-style-type: none"> 1. Study of structure and mechanical properties of the armco iron after crushing and recrystallization 2. Microscopic examination of iron and iron alloys 3. Microscopic examination of non-ferrous metals and their alloys 4. Investigating the effect of heat treatment on the structure of tool steel 5. Testing the strength of ceramics on flexural strength 6. Study on mechanical properties of thermosetting polymers
ADDITIONAL INFORMATION:	

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