

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:	Material science II
LECTURER'S NAME:	Prof. dr hab inż. Krzysztof Rokosz
E-MAIL ADDRESS OF THE LECTURER:	krzysztof.rokosz@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 <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?)	Laboratory
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:	<ol style="list-style-type: none"> <li>1. Study of structure and mechanical properties of the armco iron after crushing and recrystallization</li> <li>2. Microscopic examination of iron and iron alloys</li> <li>3. Microscopic examination of non-ferrous metals and their alloys</li> <li>4. Investigating the effect of heat treatment on the structure of tool steel</li> <li>5. Testing the strength of ceramics on flexural strength</li> <li>6. Study on mechanical properties of thermosetting polymers</li> </ol>
ADDITIONAL INFORMATION:	

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