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| 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](mailto: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](mailto:Tomasz.rydzkowski@tu.koszalin.pl);  [mieczyslaw.pancielejko@tu.koszalin.pl](mailto:mieczyslaw.pancielejko@tu.koszalin.pl) |
| COURSE CODE (USOS): | 2S |
| ECTS POINTS FOR THE COURSE: | 2 ECTS |
| ACADEMIC YEAR: | 2023/2024 |
| SEMESTER:  (W – winter, S – summer) | S |
| HOURS IN SEMESTER: | 15 |
| LEVEL OF THE COURSE:  (1st cycle, 2nd cycle, 3rd cycle) | 1st cycle |
| TEACHING METHOD:  (lecture, laboratory, group tutorials, seminar, other-what type?) | Laboratory |
| LANGUAGE OF INSTRUCTION: | English, Polish, (separate group with English depends from number of the incoming students) |
| ASSESSMENT METOD:  (written exam, oral exam, class test, written  reports, project work, presentation, continuous assessment, other – what type?) | Written exam |
| COURSE CONTENT: | 1. Study of structure and mechanical properties of the armco iron after crusching 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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