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| FACULTY: | **Faculty of Mechanical and Energy Engineering** |
| FIELD OF STUDY: | **Energetics** |
| ERASMUS COORDINATOR OF THE FACULTY: | Łukasz Bohdal, DSc, PhD |
| E-MAIL ADDRESS OF THE COORDINATOR: | lukasz.bohdal@tu.koszalin.pl |
| COURSE TITLE: | **Energy machinery technology** |
| LECTURER’S NAME: | Krzysztof Kukiełka, PhD |
| E-MAIL ADDRESS OF THE LECTURER: | krzysztof.kukielka@tu.koszalin.pl |
| ECTS POINTS FOR THE COURSE: | 2 ECTS |
| COURSE CODE (USOS): | 11S |
| ACADEMIC YEAR: | 2024/2025 |
| SEMESTER: (W – winter, S – summer) | S |
| HOURS IN SEMESTER: | 15 Lecture, 15 Laboratory |
| LEVEL OF THE COURSE:  (1st cycle, 2nd cycle, 3rd cycle) | 1st cycle |
| TEACHING METHOD:  (lecture, laboratory, group tutorials, seminar, other-what type?) | Lecture, practice, laboratory |
| LANGUAGE OF INSTRUCTION: | * **English full time scheme for classes with 5 and more international Erasmus+ students enrolled/accepted;** * **English 50% individually with the teacher + Polish 50% with Polish students or individual project work- scheme for classes with less than 5 international Erasmus+ students enrolled/ accepted;** |
| ASSESSMENT METOD:  (written exam, oral exam, class test, written reports, project work, presentation, continuous assessment, other – what type?) | Lecture: written exam,  Laboratory: report from each laboratory |
| COURSE CONTENT: | Lecture: Introduction. System of technical preparation of production. Construction of the technological process. Methodology for designing the technological process.  Computer Aided Manufacturing.  Laboratory:  Introduction to laboratories, OHS training.  Turning external and internal cylindrical surfaces.  Milling flat and shaped surfaces.  Gear milling using the Fellows envelope method and using worm cutters.  Planing of trenches on cylindrical surfaces.  Machining in rotary chucks.  Grinding of flat and cylindrical surfaces.  Electro drilling of shaped surfaces. |
| ADDITIONAL INFORMATION: |  |

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