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| 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: | Modeling of dynamic processes |
| LECTURER'S NAME: | Dr hab inż. Łukasz Bohdal, Prof. PK |
| COURSE CODE (USOS): | 3S |
| E-MAIL ADDRESS OF THE LECTURER: | lukasz.bohdal@tu.koszalin.pl |
| ECTS POINTS FOR THE COURSE: | 5 ECTS |
| ACADEMIC YEAR: | 2026/2027 |
| SEMESTER: (W – winter, S – summer) | S |
| HOURS IN SEMESTER: | 15 + 30 |
| 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 + lab |
| 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: | The scope of the course includes the following topics: Basic concepts related to the modeling of manufacturing processes. Mathematical and physical modeling of manufacturing processes. The concept of incremental description. Methods of solving equations of motion of continuous and discrete objects. Simulation of chosen manufacturing processes using FEM and CAE software. |
| ADDITIONAL INFORMATION: | |

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