|  |  |
| --- | --- |
| FACULTY: | **Faculty of Mechanical Engineering** |
| FIELD OF STUDY: | **Biomedical Engineering** |
| ERASMUS COORDINATOR OF THE FACULTY: | Igor Maciejewski |
| E-MAIL ADDRESS OF THE COORDINATOR: | [igor.maciejewski@tu.koszalin.pl](mailto:igor.maciejewski@tu.koszalin.pl) |
| COURSE TITLE: | **Controls & Automation** |
| LECTURER’S NAME: | dr inż. Piotr Zaproski, mgr inż. Paweł Znaczko |
| E-MAIL ADDRESS OF THE LECTURER: | [piotr.zaporski@tu.koszalin.pl](mailto:piotr.zaporski@tu.koszalin.pl) |
| ECTS POINTS FOR THE COURSE:  COURSE CODE (USOS): | 4 0911>1000-SiA/EiU |
| ACADEMIC YEAR: | 2022/2023 |
| SEMESTER:  (W – winter, S – summer) | S |
| HOURS IN SEMESTER: | 30 |
| LEVEL OF THE COURSE:  (1st cycle, 2nd cycle, 3rd cycle) | 1st cycle |
| TEACHING METHOD:  (lecture, laboratory, group tutorials, seminar, other-what type?) | Lectures (15h), Classes (15h) |
| LANGUAGE OF INSTRUCTION: | English |
| ASSESSMENT METOD:  (written exam, oral exam, class test, written reports, project work, presentation, continuous assessment, other – what type?) | written exam/project work |
| COURSE CONTENT: | Familiarization with devices used in automation, basic control rules in automatic control systems, assessing the quality of control and designing simple control systems, with basic concepts in the field of design and operation of process monitoring and control systems, as well as with the software of monitoring and visualization systems, developing problem solving skills monitoring and control systems emerging during operation |
| ADDITIONAL INFORMATION: | Students should have basic knowledge about digital technique, digital and analog signals, from previous courses. |