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| 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 |
| COURSE TITLE: | **Sensors and medical measurement technology** |
| LECTURER’S NAME: | Katarzyna Mitura, PhD / Robert Świta, Phd |
| E-MAIL ADDRESS OF THE LECTURER: | [katarzyna.mitura@tu.koszalin.pl/](mailto:katarzyna.mitura@tu.koszalin.pl/) robert.swita@tu.koszalin.pl |
| ECTS POINTS FOR THE COURSE: | 5 |
| ACADEMIC YEAR: | 2023/2024 |
| SEMESTER:  (W – winter, S – summer) | S |
| HOURS IN SEMESTER: | 45 |
| LEVEL OF THE COURSE:  (1st cycle, 2nd cycle, 3rd cycle) | 1st cycle |
| TEACHING METHOD:  (lecture, laboratory, group tutorials, seminar, other-what type?) | Lectures (30h), Classes (15h) |
| 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/project work |
| COURSE CONTENT: | Getting to know the basics of operation and operation of basic instruments for measuring biological signals, the principles of measuring electrical quantities and the principle of operation of medical sensors and electronic systems used in measuring instruments, the basics of operation of basic instruments for measuring non-electrical quantities, the principles of measuring non-electrical quantities and the principle of operation of sensors and electronic systems used in measuring instruments of non-electrical quantities |
| ADDITIONAL INFORMATION: | Code: 0911>1000-SiMTP |