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| FACULTY: | **Faculty of Electronics and Computer Science** |
| FIELD OF STUDY: | **Electronics and Telecommunications** |
| ERASMUS COORDINATOR OF THE FACULTY: | Marcin Walczak, PhD |
| E-MAIL ADDRESS OF THE COORDINATOR: | marcin.walczak@tu.koszalin.pl |
| COURSE TITLE: | **Metrology Fundamentals** |
| LECTURER’S NAME: | Jarosław Kraśniewski, PhD |
| E-MAIL ADDRESS OF THE LECTURER: | jaroslaw.krasniewski@tu.koszalin.pl |
| ECTS POINTS FOR THE COURSE: | 2 |
| COURSE CODE (USOS): | 0711>0400-PMet |
| ACADEMIC YEAR: | 2025/2026 |
| 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?) | Lecture – 30h |
| 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?) | Written exam |
| COURSE CONTENT: | The lecture features the following topics: definition of object, information, system, standard, error. Explanation of rules applied during measurements. Description of measuring tools and devices (e.g. Wheatstone and Thompson bridge, ammeter, voltmeter). Measurements of power in DC and AC (1-phase and 3-phase) networks. |
| ADDITIONAL INFORMATION: | Finished courses: theory of signals and networks |

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