| FACULTY: | Faculty of Electronics and Computer Science |
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| FIELD OF STUDY: | Electronics and Telecommunications |
| ERASMUS COORDINATOR OF THE FACULTY: | Marcin Walczak, PhD (Electronics)  Robert Wirski, PhD (Computer Science) |
| E-MAIL ADDRESS OF THE COORDINATOR: | marcin.walczak@tu.koszalin.pl  robert.wirski@tu.koszalin.pl |
| COURSE TITLE: | Mathematical Analysis Fundamentals |
| LECTURER’S NAME: | Dariusz Jakóbczak, PhD |
| E-MAIL ADDRESS OF THE LECTURER: | dariusz.jakobczak@tu.koszalin.pl |
| ECTS POINTS FOR THE COURSE: | 4.0 |
| COURSE CODE (USOS): | 0711>1200-PAMat |
| ACADEMIC YEAR: | 2022/2023 |
| SEMESTER:  (W – winter, S – summer) | W |
| HOURS IN SEMESTER: | 45 |
| LEVEL OF THE COURSE:  (1st cycle, 2nd cycle, 3rd cycle) | 1 st cycle |
| TEACHING METHOD:  (lecture, laboratory, group tutorials, seminar, other-what type?) | Lecture – 30h  Group tutorials – 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,  class test |
| COURSE CONTENT: | Features and graphs of elementary functions (polynomial, homographic, exponential, logarithmic, trigonometric, cyclometric), domain, roots, monotonicity, asymptotics, inverse function, continuous function, a derivative of a function, calculation of derivative from the definition, formulas for derivatives, extremum, convexity, first and second derivative, Taylor series, MacLaurin formula, integrals, method and use of integrals. |
| ADDITIONAL INFORMATION: |  |

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/sporządził, data/

\*kurs dostępny wyłącznie w języku angielskim