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| FACULTY: | **Faculty of Mechanical Engineering**  Department of Biomedical Engineering |
| FIELD OF STUDY: | **Biomedical Engineering** |
| ERASMUS COORDINATOR OF THE FACULTY: | Igor Maciejewski, DSc, PhD |
| E-MAIL ADDRESS OF THE COORDINATOR: | igor.maciejewski@tu.koszalin.pl |
| COURSE TITLE: | **Digital technique** |
| LECTURER’S NAME: | Katarzyna Mydłowska, MSc. Eng. |
| E-MAIL ADDRESS OF THE LECTURER: | katarzyna.mydlowska@tu.koszalin.pl |
| ECTS POINTS FOR THE COURSE: | 3 |
| ACADEMIC YEAR: | 2021/2022 |
| SEMESTER:  (W – winter, S – summer) | W |
| 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 |
| ASSESSMENT METOD:  (written exam, oral exam, class test, written reports, project work, presentation, continuous assessment, other – what type?) | Class test |
| COURSE CONTENT: | Acquainting with the basics of digital technology in the field of logical synthesis, elements, circuits and digital systems used in modern electronic devices, analysis and design of combinational and sequential digital circuits, computer tools for designing digital circuits. |
| ADDITIONAL INFORMATION: | Students should have basic knowledge about Boolean algebra |