|  |  |
| --- | --- |
| 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: | Reliability and Diagnostics |
| LECTURER’S NAME: | Mirosław Maliński, DSc, PhD |
| E-MAIL ADDRESS OF THE LECTURER: | miroslaw.malinski@tu.koszalin.pl |
| ECTS POINTS FOR THE COURSE: | 3 |
| ACADEMIC YEAR: | 2021/2022 |
| SEMESTER:  (W – winter, S – summer) | S |
| HOURS IN SEMESTER: | 30 |
| LEVEL OF THE COURSE:  (1st cycle, 2nd cycle, 3rd cycle) | 2nd cycle |
| TEACHING METHOD:  (lecture, laboratory, group tutorials, seminar, other-what type?) | Lecture –15h  Group tutorials – 15h |
| LANGUAGE OF INSTRUCTION: | English |
| ASSESSMENT METHOD:  (written exam, oral exam, class test, written reports, project work, presentation, continuous assessment, other – what type?) | Written exam (lecture)  Class test (group tutorial) |
| COURSE CONTENT: | Reliability functions, mean lifetime of the element, failure rates, computations of the probability of the correct work of a device, computations of the reliability of devices connected in a serial or parallel logical structure of N elements. Reliability of other N element systems. Statistical distributions used in the theory of reliability. Bathtub time dependence of the failure rate function- different failure rate time periods. |
| ADDITIONAL INFORMATION: | - |

………………………………………………………………..

/sporządził, data/