

FACULTY:	Faculty of Electronics and Computer Science
FIELD OF STUDY:	Computer Science
ERASMUS COORDINATOR OF THE FACULTY:	Robert Wirski, PhD
E-MAIL ADDRESS OF THE COORDINATOR:	robert.wirski@tu.koszalin.pl
COURSE TITLE:	Reliability and Diagnostics
LECTURER'S NAME:	Mirosław Maliński, DSc, PhD
E-MAIL ADDRESS OF THE LECTURER:	mirosław.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: (1 st cycle, 2 nd cycle, 3 rd cycle)	2 nd 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:	-
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