|  |  |
| --- | --- |
| FACULTY: | Faculty of Electronics and Computer Science |
| FIELD OF STUDY: | Computer Science |
| ERASMUS COORDINATOR OF THE FACULTY: | Marcin Walczak, PhD |
| E-MAIL ADDRESS OF THE COORDINATOR: | marcin.walczak@tu.koszalin.pl |
| COURSE TITLE: | Laboratory of Electronic Systems |
| LECTURER’S NAME: | Marcin Walczak, PhD |
| E-MAIL ADDRESS OF THE LECTURER: | marcin.walczak@tu.koszalin.pl |
| ECTS POINTS FOR THE COURSE: | 2 |
| COURSE CODE (USOS): | 0711>1200-SE-lab |
| ACADEMIC YEAR: | 2023/2024 |
| 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?) | Laboratory – 30h |
| LANGUAGE OF INSTRUCTION: | English, Polish, (separate group with English depends from number of the incoming students) |
| ASSESSMENT METOD:  (written exam, oral exam, class test, written reports, project work, presentation, continuous assessment, other – what type?) | Written reports |
| COURSE CONTENT: | During the laboratory the students will use an Arduino based systems to communicate with various external sensors and displays using basic communication protocols such as SPI, I2C, OneWire, and UART. Designing a user interface in systems featuring LCD and OLED displays. Controlling external devices such as motors, relays etc. |
| ADDITIONAL INFORMATION: |  |

………………………………………………………………..

/sporządził, data/

\*kurs dostępny wyłącznie w języku angielskim