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| 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: | **Object-oriented modelling of information systems** |
| LECTURER’S NAME: | Rafał Wojszczyk, PhD |
| E-MAIL ADDRESS OF THE LECTURER: | rafal.wojszczyk@tu.koszalin.pl |
| ECTS POINTS FOR THE COURSE: | 3 |
| COURSE CODE (USOS): | 0712>1207-OMSI |
| ACADEMIC YEAR: | 2024/2025 |
| SEMESTER: (W – winter, S – summer) | S |
| HOURS IN SEMESTER: | 45 |
| LEVEL OF THE COURSE:  (1st cycle, 2nd cycle, 3rd cycle) | 2nd cycle |
| TEACHING METHOD:  (lecture, laboratory, group tutorials, seminar, other-what type?) | Lecture - 30h  Group tutorials – 15h |
| LANGUAGE OF INSTRUCTION: | * **English full time scheme for classes with 5 and more International Erasmus+ students enrolled/accepted;** * **English 50% individually with the teacher + Polish 50% with Polish students or individual project work- scheme for classes with less than 5 International Erasmus+ students enrolled/ accepted;** |
| ASSESSMENT METHOD:  (written exam, oral exam, class test, written reports, project work, presentation, continuous assessment, other – what type?) | Written exam |
| COURSE CONTENT: | The lecture covers the following topics:  Introduction of the most important UML diagrams. Design of information systems using UML diagram, Object-oriented analysis and design (OOAD) methodology. Designing the architecture of information systems, including multi-layered, distributed systems, using architecture patterns (MVC, MVVM). |
| ADDITIONAL INFORMATION: | Requirements: Basics of programming, software engineering |

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