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| FACULTY: | **Koszalin University of Technology**  **Faculty of Economic Sciences** |
| FIELD OF STUDY: | **LOGISTICS** |
| ERASMUS COORDINATOR OF THE FACULTY: | Małgorzata Czerwińska-Jaśkiewicz, Phd |
| E-MAIL ADDRESS OF THE COORDINATOR: | malgorzata.czerwinska@tu.koszalin.pl |
| COURSE TITLE: | **PRODUCTION LOGISTICS** |
| LECTURER’S NAME: | **Jerzy Korczak, PhD Associate Professor** |
| E-MAIL ADDRESS OF THE LECTURER: | jerzy.korczak@tu.koszalin.pl |
| ECTS POINTS FOR THE COURSE: | 4 |
| ACADEMIC YEAR: | **2020/2021** |
| SEMESTER:  (W – winter, S – summer) | W or S |
| HOURS IN SEMESTER: | Lectures: 15  Workshops: 30 |
| LEVEL OF THE COURSE:  (1st cycle, 2nd cycle, 3rd cycle) | 1st cycle |
| TEACHING METHOD:  (lecture, laboratory, group tutorials, seminar, other-what type?) | Lecture, workshops |
| LANGUAGE OF INSTRUCTION: | English |
| ASSESSMENT METOD:  (written exam, oral exam, class test, written reports, project work, presentation, continuous assessment, other – what type?) | oral exam, presentation of a project (individual or group) |
| COURSE CONTENT: | Lecture:   1. The essence and scope of production logistics 2. Classification of production and manufacturing process 3. Processes of flow of materials, semi-finished products and finished products in production processes. Planning and controlling physical flows. 4. Production cycle and production scheduling 5. Manage in-progress production inventory 6. Flexible production organization. Control the execution of tasks under the conditions of unique production 7. Modern methods of controlling flows. Computer support for production logistics 8. Control physical flows and production inventory   Workshops:   1. Production planning. Demand forecasts and production plan. Production strategies 2. Control physical flows and production inventory. 3. Concept of decoupling point. Case study. 4. Production systems - JiT, Kanban, OPT. Case study. 5. Production Systems - Toyota Production System, Lean Production 6. Inventory control models. Setting a contract date. Determine the size of critical inventory. Case study. 7. Application of Just in Time, Kan Ban solutions, IT systems in production management. 8. Methods for determining the size of delivery batches in MRP-class systems |
| ADDITIONAL INFORMATION: | Didactic methods:  Case studies, individual tasks (for students), analysis of empirical material |

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