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| **Prowadzący** | **dr Sergiusz Kuczyński** |
| **Oferta PJO\*** | TAK / NIE\*\* |
| **Oferta PJOE\*** | ~~TAK~~ / NIE\*\* |
| **Kierunek, rok, stopień dla PJO** |  |
| **Semestr roku 2022/2023** | ~~zimowy~~ / letni\*\* |

\* PJO – przedmiot w języku obcym dla studentów polskich / PJOE – przedmiot w języku obcym dla studentów Erasmus+  
\*\* zostawić właściwe

BASIC INFORMATION ABOUT THE SUBJECT (INDEPENDENT OF THE CYCLE)

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| **Module name** | **Fundamentals of Logistics and Supply Chain Management** |
| **Erasmus code** |  |
| **ISCED code** |  |
| **Language of instruction** | English |
| **Website** | <https://www.umcs.pl/en/courses-in-english-2021-2022,21582.htm> (dla PJOE) |
| **Prerequisites** | Basic knowledge in Economics, Management, Law, International Economic Relations. |
| **ECTS points hour equivalents** | Contact hours (work with an academic teacher): 15 h  Total number of hours with an academic teacher: 15 h  Number of ECTS points with an academic teacher: 3 Non-contact hours (students' own work): 30 h Total number of non-contact hours: 30 h Number of ECTS points for non-contact hours: 3  Total number of ECTS points for the module: 6 |
| **Educational outcomes verification methods** | Presentation, discussion, questions and answers, exercises, test. |
| **Description** | **The module covers the knowledge in the area of:**  1. Defining Logistics. What is Logistics and why it is so important?  2. Understanding inbound and outbound logistics.  3. The growing role of reverse logistics.  4. Circular Economy and Logistics of the Future.  5. Transportation. Modes of transport in international logistics operations.  6. Transportation and Forwarding services.  7. Storage and inventory management.  8. Global procurement management.  9. Distribution management  10. Integrating Logistics into Global Supply Chains.  11. Logistical Customers Service. Planning, implementation and controlling. Key Performance Indicators in Customer Service.  12. Logistics of Manufacturing Processes. Lean & Six Sigma in manufacturing businesses.  13. International conventions and commercial rules in global logistics operation.  14. Information Managements in Logistics Operations and Supply Management.  15. Innovations in Logistics. Blockchain technology, artificial and augmented intelligence, advanced analytics, automation, Real-Time Supply Chain Visibility, Autonomous Vehicles, Warehouse Robotics. 14. Summary. Q&A Session. |
| **Reading list** | 1. Coyle, J.J., Bardi, EJ., Langley, J., *The Management of Business Logistics: A Supply Chain Perspective*, Southwestern, Thomson Learning, 2003. 2. Shapiro, J.F., *Modeling the Supply Chain*, Duxbury, Thomson Learning, 2001. 3. *Global Logistics - New Directions in Supply Chain Management*, Donald Waters (ed.), 6th edition, London 2010. 4. *Global Logistics For Dummies*®, The Atrium, Southern Gate, Chichester, UK 2017. 5. Martin Christopher, *Logistics and supply chain management: creating value-adding networks*, Financial Times, Harlow, UK, 2010. |
| **Educational outcomes** | **KNOWLEDGE**   1. Student identifies logistics system structures at an enterprise and all levels of a supply chain. 2. Student defines processes occurring in the logistics systems of enterprises and in supply chains. 3. Student is aware of tools and techniques used in domestic and international logistics operations management. 4. Student is aware of costs and expenses of domestic and   international logistics operations.  **SKILLS**   1. Student is able to analyze problems and formulate solutions for business logistics operation in an enterprise and supply chain. 2. Student is able to formulate solutions for selected problems and dilemmas in supply chain management processes. 3. Student is able to identify probable consequences of logistic decisions based on standard methods supporting decision making.   **ATTITUDES**   1. Student is aware of importance of logistics management in an enterprise and supply chain. 2. Student is aware of the tools and methods used for effective logistics operation management. 3. Student is aware of technological changes and innovations in the field of logistics and their impact on the future of this sphere of the global economy. |
| **Practice** | n/a |

INFORMATION ABOUT CLASSES IN THE CYCLE

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| **Website** | <https://www.umcs.pl/en/courses-in-english,21103.htm>  (dla PJOE) |
| **Educational outcomes verification methods** | Exercises during classes related to separate subjects of a lesson. Final test. |
| **Comments** |  |
| **Reading list** |  |
| **Educational outcomes** | KNOWLEDGE  SKILLS  ATTITUDES |
| **A list of topics** |  |
| **Teaching methods** |  |
| **Assessment methods** |  |