Course description form (syllabus form) – for 1st and 2nd cycle studies

**A. General data**

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| **Name of the field** | **Content**  |
| Course title | International Logistics |
| Organizational unit: | Faculty of Management |
| Organizational unit where the course is offered: | Faculty of Management |
| Course ID |  2600-IBP-BL |
| Erasmus code / ISCED | **04-000** |
| Course groups |  International Business Program |
| Period when the course is offered  | Winter semester, year 23/24 |
| Short description | The course introduces the theoretical and practical aspects of logistics in an international perspective. Students will be introduced to such issues affecting development of modern international logistics, as: megatrends, relations, technical solutions, regional logistic infrastructure, *Corporate Social Responsibility* or sustainable development. There will be also discussed the topic of global supply chains, that will include but will not limit to such current issue, as their agility and robustness in the face of rapid changes in global economy. |
| Type of course: | Lecture, Conversatory, Exercises |
| Full description | The course program covers the following topics:1. **History of logistics. From the fields of war to the era of international logistics (3 hours).**
2. **Megatrends as the basic forces determining the development of international logistics and global supply chains (3 hours).**
3. **Logistic Game: *What is so important in modern international logistics?* (3 hours).**
4. **Relations in global supply chains. How to foster the cooperation and so, upgrade the quality of international logistics networks (3 hours)?**
5. **Revolution 4.0 and its impact on the development and efficiency of international logistics (3 hours).**
6. **Robustness of international supply chains in the face of rapid global changes. Problems, challenges, forecasts (3 hours).**
7. **Regionalization, as the way of strengthening the regional logistic networks – example of ASEAN community and case of the freight exchanges in European road transport (3 hours).**
8. **CSR and sustainable development as a critical challenge in global supply chains and international logistics (3 hours).**
9. **Logistic infrastructure, intermodal transport and logistic centres as a driving force in the development of international logistics. International transportation rules (3 hours).**
10. ***Offshoring, nearshoring or backshoring?* How modern approach to global supply chains affects the international logistics? (1,5 hours). Exam (1,5 hours).**
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| Prerequisites | Formal  | Management – basic course |
| Initial  | General knowledge about business management |
| Learning outcomes | After the course student:1. uses terminology related to international logistics.
2. understands the importance of international logistics in global economy.
3. knows the methods of increasing effectiveness in international logistics.
4. can describe the impact of rapid global changes on international logistics.
5. understands the idea of global supply chains and can describe main issues influencing them.
6. can analyse the influence of megatrends on the functioning of international supply chains.
7. understands the main concerns connected with cooperation within global supply chains.
8. knows the idea of industry 4.0 and can describe its impact on international logistics.
9. knows the idea of robustness in international supply chains and why it is so important in modern economy.
10. understands the impact of globalization and regionalization on the functioning of international logistics.
11. knows the ideas of *Corporate Social Responsibility* and *Sustainable Development* and understands their influence on international logistics.
12. understands the importance of infrastructure in the development of international logistics.
13. knows the main international transport rules and conventions.
14. understands the strategies of *offshoring, nearshoring* and *backshoring* and knows the main advantages of each in global supply chains.
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| ECTS credit allocation (and other scores) | 4 |
| Assessment methods and assessment criteria | Presence, Activities, Exam. |
| Examination  | Activities – either in class or at homeExam consisting of multiple choice questions and open-ended questions. |
| Type of class |  |
| Method of implementation of the subject | Lecture, Cases, Activities, Discussion, Group work, Logistic game |
| Language  | English |
| Bibliography | Books:Cook, T., A., (2011). *Compilance in today’s: global supply chain*, Boca Raton. CRC Press.Grzybowska, K., (ed.), (2011). *Management of global and regional supply chain – research and concepts: monograph*, Publishing House of Poznan University of Technology, Poznań.Manners-Bell, J., Lyon, K., (2019). *The logistics and supply chain innovation handbook: disruptive technologies and new business models*, Kogan Page, New York.Ponte, S., Gereffi, G., Raj-Reichert, G., (ed.), (2019). *Handbook on global value chains*, Cheltenham, UK, Northampton, MAMain papers:Koberg, E., Longoni, A., (2019). A systematic review of sustainable chain management in global supply chains, *Journal of Cleaner Production, 207*, 1084-1098.Kwak, D.-W., Rodrigues, V., S., Mason, R., Pettit, S., Beresford, A., (2018). Risk interaction identification in international supply chain logistics: Developing a holistic model, *International Journal of Operations and Production Management, 38*(2), 372-389.Schmidt, G., Wilhelm, W., E., (2000). Strategic, tactical and operational decisions in multi-national logistic networks: A review and discussion of modelling issues, *International Journal of Production Research, 38*(7), 1501-1523. |
| Internship as part of the course  |  |
| Coordinators | **Filip Tużnik, PhD Eng.**  |
| Group instructors | **Filip Tużnik, PhD Eng.** |
| Notes  | None  |

**B. Detailed data**

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| **Name of the field** | **Content**  |
| Group instructors: | **Filip Tużnik** |
| Title  | **PhD Eng.** |
| Type of class: |  |
| Learning outcomes defined for didactic method used during the course | After the course student:… |
| Assessment methods and assessment criteria for didactic method used during the course | Presence, Activities, Exam. |
| Examination for didactic method used during the course | Activities – either in class or at homeExam consisting of multiple choice questions and open-ended questions. |
| Range of content | The course program covers the following topics:1. **History of logistics. From the fields of war to the era of international logistics (3 hours).**
2. **Megatrends as the basic forces determining the development of international logistics and global supply chains (3 hours).**
3. **Logistic Game: *What is so important in modern international logistics?* (3 hours).**
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| Didactic methods | Lecture, Conversatory, Exercise |
| Bibliography | Books:Cook, T., A., (2011). *Compilance in today’s: global supply chain*, Boca Raton. CRC Press.Grzybowska, K., (ed.), (2011). *Management of global and regional supply chain – research and concepts: monograph*, Publishing House of Poznan University of Technology, Poznań.Manners-Bell, J., Lyon, K., (2019). *The logistics and supply chain innovation handbook: disruptive technologies and new business models*, Kogan Page, New York.Ponte, S., Gereffi, G., Raj-Reichert, G., (ed.), (2019). *Handbook on global value chains*, Cheltenham, UK, Northampton, MAMain papers:Koberg, E., Longoni, A., (2019). A systematic review of sustainable chain management in global supply chains, *Journal of Cleaner Production, 207*, 1084-1098.Kwak, D.-W., Rodrigues, V., S., Mason, R., Pettit, S., Beresford, A., (2018). Risk interaction identification in international supply chain logistics: Developing a holistic model, *International Journal of Operations and Production Management, 38*(2), 372-389.Schmidt, G., Wilhelm, W., E., (2000). Strategic, tactical and operational decisions in multi-national logistic networks: A review and discussion of modelling issues, *International Journal of Production Research, 38*(7), 1501-1523. |
| Group limit  |   |
| Time span |   |
| Location |   |