Zał. nr 4 do ZW 64/2012

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| **FACULTY OF INFORMATICS AND MANAGEMENT**  **SUBJECT CARD**  **Name in Polish Logistyka**  **Name in English Logistics**  **Main field of study (if applicable): Management**  **Specialization (if applicable): Business management**  **Level and form of studies: 1st level, full-time**  **Kind of subject: obligatory**  **Subject code …ZMZ1230**  **Group of courses NO** |

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|  | Lecture | Classes | Laboratory | Project | Seminar |
| Number of hours of organized classes in University (ZZU) | 15 | 15 |  |  |  |
| Number of hours of total student workload (CNPS) | 30 | 30 |  |  |  |
| Form of crediting | crediting with grade | crediting with grade |  |  |  |
| For group of courses mark (X) final course |  |  |  |  |  |
| Number of ECTS points | 1 | 1 |  |  |  |
| including number of ECTS points for practical (P) classes |  | 1 |  |  |  |
| including number of ECTS points for direct teacher-student contact (BK) classes | 0,5 | 0,5 |  |  |  |

\*delete as applicable

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| **PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES** |

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| **SUBJECT OBJECTIVES**  C1. familiarize students with the key concepts of logistics  C2. acquainted with the origin and causes rapid development of logistics.  C3. familiar with the system integration and the role of logistics  C4. Sketch of logistics in both the enterprise and throughout the supply chain. |

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| **SUBJECT EDUCATIONAL EFFECTS**  relating to knowledge:  PEK\_W01 – to describe the essential issues concerning the logistics  PEK\_W02 – to identify essential aspects from the scope of the customer service  PEK\_W03 – to characterize the logistic system of the enterprise  relating to skills:  PEK\_U01 – to select issues from the literature for developing the subject  PEK\_U02 – to use the literature for describe projects and - on their base - to deduce substantive conclusions  PEK\_U03 – to work in the designer’s team  relating to social competences:  PEK\_K01 – he possess the right combination of giving the presentation  PEK\_K02 – he can working in groups  PEK\_K03 – he can choice the adequate literature sources |

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| **PROGRAMME CONTENT** | | |
| **Form of classes - Lecture** | | **Number of hours** |
| Lec 1 | 1 Genesis Logistics, logistics definition takes into account the integration and system role  2 Discussion of the changing environment in terms of:  • Globalisation of the economy and competition  • Exponential growth of technology, information and knowledge  • Changes due to the evolution of market needs and regulatory changes | 2 |
| Lec 2 | 3 New challenges for businesses resulting from changes in the environment  4 The traditional functions of logistics  5 New challenges for the logistics to take account of changes in the environment and defendant-scold gain a competitive advantage:  • New strategies: ECR, CRM  • Going beyond the area of ​​production  • Increase the availability of products: the concept of supply chain logistics networks | 2 |
| Lec 3 | 6 New features logistics: logistics integration geographical sector, functional, system  7 Effect on ROI and logistics balance sheet items | 2 |
| Lec 4 | 8 Factors determining the importance of logistics in the company, the hypothesis on the importance of customer service, procurement and logistics costs  9 Logistics position in the company, depending on the industry and type of physical stream | 2 |
| Lec 5 | 10th Logistics business strategy, strategies, organization of production and distribution:  • Strategy on request and in advance  • Mixed Strategy  • Strategy for rationalization of production and distribution  • The strategy of specialization distribution  • consolidation of the logistics strategy  • logistics postponement strategy  11th Customer service, as one of the most important elements of the marketing mix  12th Basic requirements for the management system OK | 2 |
| Lec 6 | 13th Time periods OK.  14th Service transaction, the logic of building a case that provides adequate value OK.  15th Characteristics of the following stages of construction JUICE | 2 |
| Lec 7 | 16th Customer service and customer retention, customer value concept  17th Taking into account the requirements of system integration and logistics in the calculation of logistics costs  18th Difficulties and problems in the calculation of logistics costs  19th Principles for determining the logistics costs | 2 |
| Lec 8 | Examination | 1 |
|  | Total hours | 30 |

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| **Form of classes** | | **Number of hours** |
| Cl 1 | Barcodes | 2 |
| Cl 2 | Logistics systems of information and informatics | 2 |
| Cl 3 | Storage Systems | 2 |
| Cl 4 | Packaging and recycling of waste | 4 |
| Cl 5 | External Transport | 2 |
| Cl 6 | Eurologistics and Global Logistics | 2 |
| Cl 7 | A course | 1 |
|  | Total hours | 15 |

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| **TEACHING TOOLS USED** |
| N1. informative lecture  N2. multimedia presentation  N3. own work - preparation for exercise  N4. a report  N5. presentation of the results |

**EVALUATION OF SUBJECT EDUCATIONAL EFFECTS ACHIEVEMENT**

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| **Evaluation** (F – forming (during semester), P – concluding (at semester end) | Educational effect number | Way of evaluating educational effect achievement |
| F1 | PEK\_W01, PEK\_W02, PEK\_W03 | A course |
| F2 | PEK\_U01, PEK\_U02, PEK\_U03 | A course |
| C | | |

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| **PRIMARY AND SECONDARY LITERATURE** |
| **PRIMARY LITERATURE:**   1. Abt S., Systemy logistyczne, Wydawnictwo AE w Poznaniu, Poznań 2001. 2. Bozarth C.C., Handfield R.B., Wprowadzenie do zarządzania operacjami i łańcuchem dostaw: kompletny podręcznik logistyki i zarządzania dostawami, Helion, Gliwice 2007. 3. Coyle J.J., Bardi E.J., Langley Jr C.J., Zarządzanie logistyczne, PWE, Warszawa 2002. 4. Kasperek M., Planowanie i organizacja projektów logistycznych, Wydawnictwo AE w Katowicach, Katowice 2006. 5. Phohl H-Ch., Systemy logistyczne. Podstawy organizacji i zarządzania, Biblioteka ILiM , Poznań 1998. 6. Simchi-Levi D., Kaminsky P., Simchi-Levi E., Designing and Managing the Supply Chain. Concepts, Strategies and Case Studies, The McGraw-Hill Companies, Inc. 2000 7. Waters D., Zarządzanie operacyjne. Towary i usługi, PWN, Warszawa 2001   **SECONDARY LITERATURE:**   1. Ciesielski M. (red.), Logistyka we współczesnym zarządzaniu, Wydawnictwo AE w Poznaniu, Poznań 2003. 2. Ciesielski M. (red.), Sieci logistyczne, Wydawnictwo AE w Poznaniu, Poznań 2002. 3. Gołembska E. (red.), Kompendium wiedzy o logistyce, Wydawnictwo Naukowe PWN, Warszawa 2001. 4. Heizer J., Render B., Production and Operations Management. Strategies and Tactics, Allyn and Bacon, a division of Simon & Schuster Inc. 1993. 5. Logistics: The strategic issues, Edited by M. Christopher, Chapman & Hall 1992. 6. Harrison A., van Hoek R., Logistics Management and Strategy, FT Prentice Hall, Pearson |
| **SUBJECT SUPERVISOR (NAME AND SURNAME, E-MAIL ADDRESS)** |
| **Tomasz Chlebus, tomasz.chlebus@pwr.wroc.pl** |

MATRIX OF CORRELATION BETWEEN EDUCATIONAL EFFECTS FOR SUBJECT

**Logistics**

AND EDUCATIONAL EFFECTS FOR MAIN FIELD OF STUDY **Management**

AND SPECIALIZATION **Business management**

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| **Subject educational effect** | **Correlation between subject educational effect and educational effects defined for main field of study and specialization (if applicable)\*\*** | **Subject objectives\*\*\*** | **Programme content\*\*\*** | **Teaching tool number\*\*\*** |
| PEK\_W01  (knowledge) | K1\_ZARZ\_W09  K1\_ZARZ\_W14 | C1, C2,C4 | Lec1, Lec2, Lec3, Lec4, Lec5, Lec6, Lec7 | N1, N2 |
| PEK\_W02  (knowledge) | K1\_ZARZ\_W09  K1\_ZARZ\_W14 | C1, C2, C3 | Lec1, Lec2, Lec3, Lec4, Lec5, Lec6, Lec7 | N1, N2 |
| PEK\_W03  (knowledge) | K1\_ZARZ\_W09  K1\_ZARZ\_W14 | C1, C2, C3 | Lec1, Lec2, Lec3, Lec4, Lec5, Lec6, Lec7 | N1, N2 |
| PEK\_U01  (skills) | K1\_ZARZ\_U11  K1\_ZARZ\_U05  K1\_ZARZ\_U04 | C3 | Lab2, Lab3 | N3, N4, N5 |
| PEK\_U02  (skills) | K1\_ZARZ\_U02  K1\_ZARZ\_U03 | C3 | Cl1,Cl2,Cl3 | N3, N4, N5 |
| PEK\_U03  (skills) | K1\_ZARZ\_U16  K1\_ZARZ\_U15 | C3 | Cl4 | N3, N4, N5 |
| PEK\_U04  (skills) | K1\_ZARZ\_U07 | C3 | Cl5, Cl6 | N3, N4, N5 |
| PEK\_K01 | K1\_ZARZ\_K01 | C4 | Cl5, Cl6 | N3, N4, N5 |
| PEK\_K02 | K1\_ZARZ\_K01 | C4 | Cl5, Cl6 | N3, N4, N5 |
| PEK\_K03 | K1\_ZARZ\_K01 | C4 | Cl5, Cl6 | N3, N4, N5 |

\*\* - enter symbols for main-field-of-study/specialization educational effects

\*\*\* - from table above