

ITEM CARD

Annex No. 1 to Regulation 3/07/2020 of
13 July 2020 on the model of the course
card at the Higher Management School in
Warsaw

I. GENERAL BASIC INFORMATION ABOUT THE SUBJECT (MODULE)										
MODULE NAME LOGISTICS CENTERS										
Name of the organizational unit leading the course:		Faculty of Management and Technical Sciences								
Name of the field of study, level of education:		Second-cycle management								
Learning profile:		General academic								
Name of the specialty:		-								
Type of learning module:		To choose from								
Year/Semester:		II/semester 3								
Person coordinating the subject:		Prof.. Czeslawa Hristova								
Prerequisites (resulting from the succession of items):		Knowledge of the basics of management and logistics, project management, system analysis, teamwork and coordination skills, ability to deepen and update knowledge								
II. FORMS OF CLASSES AND NUMBER OF HOURS										
	Lecture	Exercise	Seminar	Laboratory	Workshop	Project	Seminar	Consultation	Exam/Passing	Total hours
Full-time studies	25	25								50
Part-time studies	15	15								30
III. METHODS OF TEACHING ACTIVITIES										
Forms of classes			Didactic methods							
Lecture			1. Original multimedia presentations 2. Interactive lectures aimed at solving theoretical and practical problems in the field of Logistics stimulating individual reflection and study 3. System analysis methods, synthesis 4. Methods of comparative analysis, benchmarking 5. Case study Technical teaching tools: Laptop, multimedia projector, sound system Activating methods, case studies, problem tasks							
exercise										

IV. OBJECTIVE LEARNING OUTCOMES WITH REFERENCE TO LEARNING OUTCOMES FOR THE FIELD OF STUDY AND AREAS		
Lp.	Description of the learning outcomes in question	Directional effect reference
Knowledge:		
1.	Knows and understands to an in-depth degree the determinants and directions of development of logistics centers in Poland and the EU	ZO2_W01 P7S_WG
2.	Knows and understands in depth the essence and importance of designing process technologies in logistics centers.	ZO2_W04 P7S_WG P7S_WK
3.	Knows and understands in depth the essence and importance of the functioning of logistics centers	ZO2_W07 P7S_WG
4.	Knows and understands to a greater extent the economic efficiency of the construction and operation of logistics centers.	ZO2_W10 P7S_WG
5.	Knows and understands to an in-depth degree the identification, diagnosis and solving of problems related to the functioning and management of logistics centers	ZO2_W06 P7S_WG
6.	Knows and understands in depth the issues of ethics and corporate responsibility and its selected manifestations in modeling, financing, construction and operation of logistics centers	ZO2_W13 P7S_WG
Abilities:		
1.	He is able to use his knowledge – identify, interpret and explain complex phenomena and logistics processes, formulate and solve complex and unusual tasks in unpredictable conditions in which logistics centers operate	ZO2_U01 P7S_UW
3.	Can interpret the content of contemporary theories of the company in the area of logistics centers	ZO2_U06 P7S_UW
4.	Can apply the principles and tools of managing the functional, spatial and information structure of the logistics center	ZO2_U08 P7S_UW
5.	Can critically analyze, interpret and evaluate management phenomena and processes in Polish, European and global logistics centers	ZO2_U14 P7S_UW
Social competences:		
1.	He is ready to recognize the importance of knowledge in solving problems in the functioning of logistics centers on domestic and international markets	ZO2_K01 P7S_KK
2.	He is ready to act and think in an entrepreneurial way, he is open to implementing innovations in logistics centers	ZO2_K06 P7S_KO
3.	He is ready to work in a logistics team, perform various roles and functions in logistics centers	ZO2_K08 P7S_KO
V. CURRICULAR CONTENT (LEARNING)		
Lp.	Lecture:	Reference to the learning outcomes in question
1.	Definitions of the center of logic. Basic concepts of CIA. Classification and characteristics of logistics centers.	ZO2_W01 ZO2_W04 ZO2_W06 ZO2_W07
2.	Logistics services. The importance and role of logistics services in supply chains. Logistics services market. Logistics centers as links in supply chains.	ZO2_W10 ZO2_W13
3.	Functional, spatial and information structure of the logistics centre	ZO2_U01 ZO2_U06

4	Methodology of location of logistics centers. Study of the possibilities of building logistics centers.	ZO2_U08 ZO2_U14 ZO2_K01 ZO2_K06 ZO2_K08	
5	Criteria for the location of logistics centers. Economic functions of the region and their impact on the establishment and operation of logistics centers. Spatial development plan for the area intended for the construction of a logistics center. Main, auxiliary and internal road connections.		
6	Elements of the logistics center infrastructure. Transport infrastructure facilities, power supply, water and sewage installations, teletechnical installations, other infrastructure elements. Suprastructure of logistics centers. Designing process technology for logistics centers.		
7	Material and financial schedule of investments in logistics centers.		
8.	Organizational and legal management systems in logistics centers. Sources of financing for the construction and development of logistics centers. The Public-Private Partnership formula as a source of financing for the construction, operation and development of logistics centers in Poland. Economic efficiency of the construction and operation of logistics centers.		
9	Case studies of modelling, financing, construction and operation of logistics centers		
10.	Examples of Polish, European and global logistics centers.		
11	The seaport as a logistics center in global supply chains.		
12	The importance of logistics centers in the transport system. Determinants and directions of development of logistics centres in Poland and the EU		
Lp	Exercises/Workshops		Reference to the learning outcomes in question
1	Logistics services market		ZO2_W01 ZO2_W04 ZO2_W06 ZO2_W07 ZO2_W10 ZO2_W13 ZO2_U01 ZO2_U06 ZO2_U08 ZO2_U14 ZO2_K01 ZO2_K06 ZO2_K08
2	Functional structure of the logistics centre		
3	Spatial structure		
4	Information structure		
5	Material and financial schedule of investments in logistics centers.		
6	Sources of financing for the construction and development of logistics centres		
7	Determinants and directions of development of logistics centres in Poland and the EU		
8	Construction of logistics centers. - case study. Performance indicators for the construction and operation of logistics centres		
VI. METHODS OF ASSESSMENT OF LEARNING OUTCOMES			
Learning outcomes	Verification method	Form of classes in which EUS (Learning Outcome) is verified	
Knowledge:			
ZO2_W01	Presentation of the paper, problem discussions, activity in the	In the course / exercises	

ZO2_W04 ZO2_W07 ZO2_W10 ZO2_W06 ZO2_W13	discussion	
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Abilities:

ZO2_U01 ZO2_U06 ZO2_U08 ZO2_U14	Timely preparation by a team of students of a selected written and presentation and according to the guidelines contained in the Topic Cards presented to students at the first class, project	In the course / exercises
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Social competences:

ZO2_K01 ZO2_K06 ZO2_K08	Cooperation and coordination of team activities. Presentation of the paper by the team, responsibility for the effects, activity in the discussion	In the course / exercises
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VII. CRITERIA FOR ASSESSING ACHIEVED LEARNING OUTCOMES

Learning outcomes	Unsatisfactory assessment	Grade range 3.0-3.5	Grade range 4.0-4.5	Very good rating
	The student does not know and does not understand/cannot/is not ready:	The student knows and understands / can / is ready:	The student knows and understands / can / is ready:	The student knows and understands / can / is ready:
For each of the learning outcomes identified for the module in terms of knowledge, skills and competences	The student obtains less than 50% max. the number of points for each effect	The student gets from 50% to 59% max. the number of points for each effect on the 3.0 rating. The student gets from 60% to 69% max. the number of points for a given effect per 3.5 rating.	The student obtains from 70% to 79% max. the number of points for each effect on the 4.0 rating. The student gets from 80% to 89% max. the number of points for a given effect per grade 4.5.	The student obtains more than 89% max. the number of points for each effect

VIII. STUDENT'S WORKLOAD – NUMBER OF HOURS AND BALANCE OF ECTS CREDITS

Type of ECTS activity	Studies Stationary	Part-time studies
Participation in didactic activities (lectures, exercises, tutorials, project, laboratories, workshops, seminars) – SUM of hours – from point II	50	30
Exam/Passing	1	1
Participation in the consultation	1	1
Project/Essay	15	15

Independent preparation for didactic classes	23	23
Preparing to pass a teaching class	10	30
Total student workload (25h 1pkt ECTS)	4pts ECTS/ 100 hrs	4pts ECTS/ 100 hrs
Student load in classes in direct contact with the teacher	50	30
Student load in practical classes		
Student load in practical vocational preparation classes		
Student load in research preparation classes	50	70

IX. LITERATURE AND OTHER DIDACTIC MATERIALS

Basic literature:

1. Bartosiewicz S., *Logistic centers in the aspect of sustainable development*, Military University of Technology in Warsaw, Warsaw 2015
2. Lipińska- Słota A., Mutwil A., *Elements of logistics centre infrastructure*, Wydawnictwo Ekonomiczne Uniwersytetu w Katowicach 2019

Supplementary literature:

1. Szymonik A., *Logistics and supply chain management*, Difin, Warsaw 2010
2. *Modern technologies in logistics*, edited by Jan Długosz, PWE, Warsaw 2009
3. Christowa Cz., Hristowa – Dobrowolska M., *Methodological aspects of research in the field of location, construction and operation of port logistics centers*, Logistics No. 5/2011
4. Christowa Cz.: *Algorithm of research in the field of location, construction and operation of port logistics centers in Poland*, Scientific Papers of the Wrocław University of Economics No. 235, Wrocław 2011
5. Fechner I., *Logistic centers and their role in cargo flow processes in the logistics system Polish*, Scientific Papers of the Warsaw University of Technology, Warsaw 2010
6. Skowron – Grabowska B., *Logistic centres in supply chains*, PWE, Warsaw 2010
7. *Logistics services*, edited by W. Rydzkowski, Wydawnictwo Biblioteka Logistyka, Poznań 2007
8. Hristova Cz., *Basics of construction and operation of port logistics centers. West Pomeranian Logistic Centre – Port of Szczecin*, Wydawnictwo Naukowe Akademii Morskiej w Szczecinie, Szczecin 2005
9. Feszner I., *Logistic centers. Purpose. Implementation. Future*, Wydawnictwo Biblioteka Logistyka. Poznan 2004

Other teaching materials:

1. Christowa Cz., *Study of the transport function of the Szczecin – Świnoujście port complex*, Chapter 2 in the monograph *"Management and logistics in the XXI century. Directions of development"*, Scientific editor Anna Krzysztofek, Wydawnictwo Naukowe ArchaeGraph, Łódź 2020, ISBN 978-83-66709-21-8
2. Christowa Cz., *Methodological aspects of research in the field of the impact of innovation on the competitiveness of Polish seaports*, Chapter 7 in the monograph *"The future of mobility and logistics as a subject of social sciences research"*, Collective work edited by A. Hozzman, Warsaw School of Economics, Studies and Jobs of the Collegium of Management and Finance, Oficyna Wydawnicza SGH, Warsaw 2020, pp. 107-118
3. Christowa Cz.: *River transport in the transport policy of Polish and the European Union*, *Scientific Papers of the Warsaw University of Technology – Transport*, Oficyna Wydawnicza PW, Issue No. 120, 2018, pp. 59 – 74,
4. Cz. Hristowa.: *Transport service system for Oder estuary ports with particular emphasis on river transport*, Studies and Jobs of the Collegium of Management and Finance, Scientific Journal 171, Oficyna Wydawnicza

SGH, Warsaw 2018

5. Christowa Cz., *Identification of opportunities for cooperation in the field of innovation and technology transfer between universities, entities and research institutions and enterprises from the maritime economy sector in Poland*, Folia Pomeranae Universitatis Technologiae Stetinensis, Oeconomica 317(78)1 2015, pp. 17 – 36