SYLLABUS

Name: Safety in logistics
Name in Polish: Bezpieczeństwo w logistyce
Name in English: Safety in logistics

Information on course:

Course offered by department:	Faculty of Organisation and Management
Course for department:	Silesian University of Technology
Study level and form:	Master's degree, Full-time
Term:	summer semester 2019/2020
Coordinator of course edition:	Katarzyna Sienkiewicz-Małyjurek, PhD, Assoc. Prof.

Default type of course examination report:

Credit

Language:

English

Course homepage:

https://platforma.polsl.pl/roz/course/view.php?id=824

ECTS

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Short description:

The objectives of the course are to systematize and extend existing knowledge in logistics and logistics management in the scope of sources of threats in supply chains and logistics processes, areas of risk and safety management in the supply chains and logistics processes, solving problems related to the safety of the supply chains and logistics processes.

Description:

Detailed programme's content of lectures:
[1]. Introduction to safety issues in logistics
[2]. Safety of supply chains
[3]. Approaches and theories used in safety in logistics
[4]. Sources of supply chain threats and disruptions
[5]. Vulnerability and resilience of supply chains
[6]. Transmission of disruptions in supply chain collaboration
[7]. Supply chain safety management
[8]. Adaptive capabilities in safety in logistics
[9]. Safety management in logistics processes
[10]. Continuity management in supply chains

Teaching methods, including distance learning: lecture, explanation, description, didactic games, didactic discussions, work with a book.

Detailed programme's content of project classes:
[1]. Analyzing threats in logistics processes
[2]. Assessment of risk connected with threats in logistics processes
[3]. Developing scenario of safety in logistics
[4]. Preparing safety plans
[5]. Analyzing approaches to dealing with threats
[6]. Implementing preventive actions
[7]. Discussing results

Teaching methods: brainstorming, case studies, project.

Bibliography:

1. Actual problems of logistics, ed. by Aleksander Sładkowski. Gliwice: Wydawnictwo Politechniki Śląskiej. 2012.

2. Eßig, M., Hülsmann, M., Kern, E.-M., Klein-Schmeink, S. (Eds.) Supply Chain Safety Management, Security and Robustness in Logistics, Springer-Verlag Berlin Heidelberg, 2013.
3. Advances in safety, reliability and risk management: proceedings of the European Safety and Reliability Conference, ESREL 2011, Troyes, France, 18-22 September 2011, editors: Christophe Bérenguer & Antoine Grall, C. Guedes Soares. - Boca Raton [etc.] : CRC Press, cop. 2012.Martin Christopher, Logistics and supply chain management: strategies for reducing cost and improving service. Harlow: Financial Times Prentice Hall, 2011.
4. Sienkiewicz-Małyjurek K. (2014) Strategic approach and initiatives streamlining emergency operations in Poland, Academic Journal of Interdisciplinary Studies, Vol. 3(1), p. 385-392.
5. Sienkiewicz-Małyjurek K. (2010) Transportation security in crisis situations in Poland, LogVD, p. 195-201.
6.

Learning outcomes:

Knowledge:
K2A_W03: Students know and understand basic processes taking place in logistics systems, threats and risks connected with these processes.
K2A_W13: Students know and understand the fundamental dilemmas of the contemporary world, the vulnerability of logistics systems and the connections of these systems with worldwide processes.

Skills:
K2A_U02: Students are able to perform tasks as well as formulate and solve problems in the field of safety in logistics processes using new knowledge, using available methods.
K2A_U03: Students are able to use analytical methods, considering their systemic and non-technical aspects, and designing engineering activities when identifying, formulating, and solving problems in the field of safety in logistics.
K2A_U08: Students are able to integrate and use advanced knowledge related to the safety of logistics processes and the vulnerability and resilience of these processes, and they are able to solve engineering tasks.

Social competence:
K2A_K03: Students are ready to fulfil social obligations in general logistics processes, inspiring and organizing activities for the social environment based on designing safe logistics operations and initiating activities for the public interest.

Assessment methods and assessment criteria:

Final grade = 50% of the project grade + 50% of the test grade

Practical placement:

Not applicable