1. Course title: Safety in logistics

2. Course code: ROZ_OF_Z2Ms3_F2_01E

3. Validity of course description: 2017/2018

4. Level of studies: Second-degree studies

5. Mode of studies: Intramural studies

6. Field of study: Management and Production Engineering (FACULTY SYMBOL) ROZ

7. Profile of studies: Academic


9. Semester: 2

10. Faculty teaching the course: ROZ4

11. Course instructor: Katarzyna Sienkiewicz-Małyjurek

12. Course classification: Common/ Specialization courses

13. Course status: Compulsory / Elective

14. Language of instruction: English

15. Pre-requisite qualifications: Basis of logistics, Safety management, Tools and methods of logistics processes improvement

16. Course objectives: Systematization and extension of existing knowledge in logistics and logistics management in the scope of: areas of risk and safety management in the supply chains, solving problems related to the functioning of the supply chains and flows optimizing in the supply chains.

17. Description of learning outcomes:

<table>
<thead>
<tr>
<th>Nr</th>
<th>Learning outcomes description</th>
<th>Method of assessment</th>
<th>Teaching methods</th>
<th>Learning outcomes reference code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Student can describe and define basic concepts related to safety in logistics</td>
<td>Test</td>
<td>Lecture / Project</td>
<td>T2A_W04 T2A_U01 T2A_K02</td>
</tr>
<tr>
<td>2</td>
<td>Student can define the scope of safety in logistics and describe the safety management processes in logistics</td>
<td>Test</td>
<td>Lecture / Project</td>
<td>T2A_W04 T2A_U01</td>
</tr>
<tr>
<td>3</td>
<td>Student knows and uses basic graphic, mathematical, statistical, heuristic, diagnostic and forecasting methods to analyse the problem and evaluate the operations efficiency</td>
<td>Project</td>
<td>Lecture / Project</td>
<td>T2A_W07 T2A_U09 T2A_K04</td>
</tr>
<tr>
<td>4</td>
<td>Student is able to assess different varieties of the problems solving connected with the safe execution of logistic processes</td>
<td>Project</td>
<td>Lecture / Project</td>
<td>T2A_W07 T2A_U09 T2A_K04</td>
</tr>
</tbody>
</table>
5 Student has the ability to make changes, adapt existing and design new solutions to problems related to the safe implementation of logistics processes.

6 Student knows and applies basic rules of safety in logistics

**18. Teaching modes and hours**

<table>
<thead>
<tr>
<th>Lecture</th>
<th>Classes</th>
<th>Laboratory</th>
<th>Project</th>
<th>Seminar</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

**19. Syllabus description:**

**Lecture**
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

**Project**
1. Determinants of safety in logistics
2. Threats and disruptions in the implementation of logistics processes
3. Approaches to safety management in logistics processes
4. Approaches to safety management in logistics services
5. Resilience and adaptability of logistics processes
6. Designing business continuity

**20. Examination:** no

**21. Primary sources:**

**22. Secondary sources:**

23. Total workload required to achieve learning outcomes

<table>
<thead>
<tr>
<th>Lp.</th>
<th>Teaching mode</th>
<th>Contact hours / Student workload hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Lecture</td>
<td>15/15</td>
</tr>
<tr>
<td>2</td>
<td>Classes</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Laboratory</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Project</td>
<td>15/15</td>
</tr>
<tr>
<td>5</td>
<td>BA/ MA Seminar</td>
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</tr>
<tr>
<td>6</td>
<td>Other</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total number of hours</td>
<td>30/30</td>
</tr>
</tbody>
</table>

24. Total hours: 60
25. Number of ECTS: 2
26. Number of ECTS credits allocated for contact hours: 1
27. Number of ECTS credits allocated for in-practice hours (laboratory classes, projects): 1

28. Comments

Approved:

.......................................................... ..........................................................
(date, Instructor’s signature) (date, the Director of the Faculty) Unit signature