COURSE DESCRIPTION CARD

<table>
<tr><td colspan="11">Bialystok University of Technology
Faculty of Engineering Management</td></tr>
<tr><td>Field of study</td><td colspan="6">Management</td><td colspan="2">Degree level and programme type</td><td>first degree/ second degree</td></tr>
<tr><td>Specialisation/ diploma path</td><td colspan="6">-</td><td colspan="2">Study profile</td><td>-</td></tr>
<tr><td rowspan="2">Course name</td><td colspan="6" rowspan="2">Introduction to database</td><td colspan="2">Course code</td><td>IS-FM-00104S</td></tr>
<tr><td colspan="2">Course type</td><td>elective</td></tr>
<tr><td rowspan="2">Forms and number of hours of educational activities</td><td>L</td><td>C</td><td>LC</td><td>P</td><td>SW</td><td>FW</td><td>S</td><td colspan="2">Semester</td><td>summer</td></tr>
<tr><td></td><td></td><td></td><td></td><td>30</td><td></td><td></td><td colspan="2">No. of ECTS credits</td><td>6</td></tr>
<tr><td>Entry requirements</td><td colspan="10">-</td></tr>
<tr><td>Course objectives</td><td colspan="10">Acquainting with the issue of relational databases. Understanding the methods of effective information management in the enterprise. Acquisition of skills in designing, building and managing databases.</td></tr>
<tr><td>Course content</td><td colspan="10">The concept of database and relational database. Database Management System. Basic navigation in Microsoft Access. Creating a database. Creating tables. Defining table relationships. Querying a database using different methods. Creating advanced queries. Building forms. Creating reports. Preparation of a database project for applications in the area of logistics and management.</td></tr>
<tr><td>Teaching methods</td><td colspan="10">Specialization workshop, project, discussion</td></tr>
<tr><td>Assessment method</td><td colspan="10">The assessment of: student’s activity during the class, project of a database prepared in groups</td></tr>
<tr><td>Symbol of learning outcome</td><td colspan="8">Learning outcomes</td><td colspan="2">Reference to the learning outcomes for the field of study</td></tr>
<tr><td></td><td colspan="8">Knowledge: the graduate knows and understands</td><td colspan="2"></td></tr>
<tr><td>LO1</td><td colspan="8">the concept of a relational database</td><td colspan="2">-</td></tr>
<tr><td>LO2</td><td colspan="8">the rules of building a databases</td><td colspan="2">-</td></tr>
<tr><td></td><td colspan="8">Skills: the graduate is able to</td><td colspan="2"></td></tr>
<tr><td>LO3</td><td colspan="8">design a relational database</td><td colspan="2">-</td></tr>
<tr><td>LO4</td><td colspan="8">creates elements of a relational database</td><td colspan="2">-</td></tr>
<tr><td>LO5</td><td colspan="8">use available computer software to create a database</td><td colspan="2">-</td></tr>
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	Social competence: the graduate is ready to	
LO6	work in a group	-
Symbol of learning outcome	**Methods of assessing the learning outcomes**	**Type of tuition during which the outcome is assessed**
LO1	discussion on the project, observation of student's work in classes	SW
LO2	discussion on the project, observation of student's work in classes	SW
LO3	discussion on the project, observation of student's work in classes	SW
LO4	discussion on the project, observation of student's work in classes	SW
LO5	discussion on the project, observation of student's work in classes	SW
LO6	discussion on the project, observation of student's work in classes	SW
Student workload (in hours)		**No. of hours**
Calculation	participation in specialization workshop	30
	participation in student-teacher sessions related to the classes	5
	preparation for specialization workshop	45
	working on project	50
	homeworks	20
	TOTAL:	150

Quantitative indicators	**HOURS**	**No. of ECTS credits**
Student workload – activities that require direct teacher participation	**35**	**1,5**
Student workload – practical activities	**150**	**6**

Basic references	1. M. Alexander, R. Kusleika, *Access 2019 Bible*, Wiley, 2019. 2. L. A. Ulrich, K. Cook, *Access 2019 For Dummies*, Wiley, 2019.	
Supplementary references	1. M. Shellman, S. Vodnik, *New Perspectives Microsoft Office 365 & Access 2016: Comprehensive*, Cengage Learning, 2016.	
Organisational unit conducting the course	International Department of Logistics and Service Engineering	**Date of issuing the programme**
Author of the programme	Dorota Leończuk, PhD	16.02.2022

L – lecture, C – classes, LC – laboratory classes, P – project, SW – specialization workshop, FW - field work, S – seminar