ANALYSIS OF STATISTICAL DATA AND IT

Title of Study Programme and Code	Type (compulsory/optional)	Cycle	Year of study when the component is delivered (if applicable)
Transport Business 6531LX074	Compulsory		1st year

Semester/trimester when the component is delivered	Number of ECTS credits allocated	Language of instruction	Mode of delivery (face-to-face/e-learning/…)
2nd	6 ECTS	English	Face - to - face, e-learning

Learning outcomes		Study methods	Assessment methods
After completion of the study subject, a student should be able:		Lectures; Discussions; Study of references; Explanation; Solving of tasks; Practical works; Group presentation.	Assessment of practical works and tasks; Test; Project work.
LO 1	To explain statistical concepts and methods.		
LO 2	To select appropriate statistical research methods.		
LO 3	To make a statistical research plan.		
LO 4	To select suitable data for analysis.		
LO 5	To generalize data and identify descriptive characteristics.		
LO 6	To apply data analysis methods, using special software;		
LO 7	To analyze and interpret the results of the statistical analysis.		
LO 8	To prepare a presentation of the performed research.		

Prerequisites
(these courses must be sucessfully completed prior to taking this particular course)

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Course content

1. Statistics object and conception.
2. Statistical research planning and organization.
3. Questionnaire and data designing, encoding, and entering;
4. Document preparation following the computer rules. Design of forms. Style selection, automatic content composition.
5. Data processing and display.
6. Lists making, sorting, filtering. Preparation of aggregated reports.
7. Descriptive statistics analysis.
8. Operation of statistical, logic and other functions solving task.
9. Analysis of data interrelation.
10. Presentation using computer.

Recommended or required reading and other learning resources/tools

1. Argyrous G. (2011) Statistics for Research: with a Guide to SPSS. Sage Publications Ltd
2. Landers R.N. (2013) A step-by-step introduction to statistics for business. London: Sage
3. Johnson. R.A., Bhattacharyya G.K. (2010). Statistics: Principles and Methods: http://books.google.com/books?id=pKctClMmackC&printsec=frontcover&dq=statistics&hl=lt&ei=r4piTfuaHc_54AalqdCgCg&sa=X&oi=book_result&ct=result&resnum=1&ved=0CCwQ6AEwAA#v=onepage&q&f=false
4. MS Word 2016: https://edu.gcfglobal.org/en/word2016/
5. Word for Windows training: https://support.office.com/en-us/article/word-for-windows-training-7bcd85e6-2c3d-4c3c-a2a5-5ed8847eae73
6. Making the most of Word in your business: https://shaunakelly.com/word.html
7. Excel for Windows training: https://support.office.com/en-us/article/excel-for-windows-training-9bc05390-e94c-46af-a5b3-d7c22f6990bb
8. Excel 2016: https://edu.gcfglobal.org/en/excel2016/
9. PowerPoint 2016:https://edu.gcfglobal.org/en/powerpoint2016/
10. How to make a good presentation: https://biteable.com/blog/tips/how-to-make-good-presentation/