1. Name of the subject (course unit)	2. Code
Statistics: Economical statistics and forecasting	E2016B005

3. Teacher(s)	4. Unit(s)
Assoc. Prof. Dr. Viktoras Filipavičius	Business School

5. Study cycle	6. Level of the subject (course unit)	7. Type of the subject (course unit)
First	The subject is not divided into separate parts	Obligatory

8. Implementation form	9. Implementation period	10. Instruction language(s)
Full-time	Autumn semester	English

11. Requirements for the student	
Prerequisites:	**Associated requirements (if any):**
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12. Scope of the subject (course unit) in ECTS	13. Total student work load (hours)	14. Contact hours	15. Independent work hours
6	160	16	144

16. Purpose of the subject (course unit): competences sought to be developed by the study programme
The subject provides students with the knowledge of the essentials of the statistics in economics. Students learn the basics of the main statistical indicators in macroeconomics and microeconomics, and recognize statistical data can be used in decision-making. The scope of the course covers the indicators which describe social, demographic status of the country, its economic activity as well as development of a single entity. The students get some knowledge in economic forecasting and its methods.

17. The interrelation between the learning outcomes of the study programme with the projected results of the subject, and the methods of the assessment of the studies and the student achievements

Results of the study subjects	Study methods	Methods for the assessment of the achievements of the student
Recognize modern means of economy analysis with statistical instruments. Know main economy development indicators, and entity development indicators. Be able to implement statistical knowledge in decision-making.	Discussion, problem solving	Evaluating student activity in seminars; evaluating homework problem solving; evaluating essay and its presentation.
Be able to analyze and synthesize statistical information and present it in relevant shape.	Discussion, problem solving	Evaluating student activity in seminars; evaluating homework problem solving; evaluating essay and its presentation.
Knows time series, trend and pair correlation applications in entity's performance forecasting	Discussion, problem solving	Evaluating student activity in seminars; evaluating homework problem solving; evaluating essay and its presentation.

18. Content of the subject		
Themes	**Contact hours and studying method**	**Time and tasks of independent studies**

	Lectures	Consultations	Seminars	Practical class	Laboratory classes	Practicums	Total contact hours	Independent work	Tasks
1. The essentials of Statistics services, the methods and tools employed. Organization of statistics services.	1						1	15	Study literature. Discussion on Statistics role in country's life.
2. Demographic indicators and social indicators in economics	1		1				2	15	Study literature. Problem-solving homework on topic.
3. Indicators of economic activity	1		1				2	15	Study literature. Problem-solving homework on topic.
4. Prices and statistics	1		1				2	15	Study literature. Problem-solving homework on topic.
5. Foreign trade statistics	1		1				2	15	Study literature. Problem-solving homework on topic.
6. Statistical investigation of the households	1		2				3	15	Study literature. Problem-solving homework on topic.
7. Business entity statistics	1		1				2	15	Study literature. Problem-solving homework on topic.
8. The essentials of forecasting in business	1		1				2	15	Study literature. Problem-solving homework on topic.
9. Writing the essay and preparing Power Point presentation								24	Essay and presentation on topic from topic list. Up to two students can write and present single topic.
Total	**8**		**8**				**16**	**144**	

19. Strategy and criteria for the evaluation of students			
Evaluation method	**Percentage**	**Accounting time**	**Evaluation criteria**
Essay hard copy	20%	11th week	The structure meets the requirement of KSU.
Essay presentation	30%	13-15th weeks	Relevance to the topic (20%), fluent speech, logical sequence of the presentation (30%), relevant and informative practical example (50%)

7 homework problems on topics 2-8	5% each (max 35%)	weekly	The correct answer is graded at 10. Wrong – at 0. In case of correct solution but calculus mistake – 8.
Activity in seminars	15%	weekly	

20. Sources of studies, reference lists
Mandatory sources of studies, reference lists
Barrow, M. (2009) *Statistics for Economics, accounting and business studies, 5th ed.*, Prentice Hall (available at: http://ebooks.narotama.ac.id/files/Statistics%20for%20Economics,%20Accounting%20and%20Business%20Studies%20(5th%20Edition)/Cover%20&%20Table%20of%20Contents%20-%20Statistics%20for%20Economics,%20Accounting%20and%20Business%20Studies%20(5th%20Edition).pdf] Bartosevičienė, V. (2011) *Ekonominės statistikos pagrindai. Mokomoji knyga.* Kaunas: Technologija. Bartosevičienė, V. (2007) *Ekonominė statistika. Mokomoji knyga.* Kaunas: Technologija. Bartosevičienė, V. (2008) *Ekonominės statistikos pratybų užduotys. Mokomoji knyga.* Kaunas: Technologija. Anderson, D.R., Sweeney, D.J., Williams, Th.A. (2012) *Essentials of Modern Business Statistics With Microsoft Office Excel.* Cengage Learning [available at: https://www.cengagebrain.com.au/content/9781133829133.pdf
Additional sources of studies, reference lists
World Statistics Pocketbook, *2015 edition*. United Nations, NY. [available at: http://unstats.un.org/unsd/publications/pocketbook/files/world-stats-pocketbook-2015.pdf] Scheaffer, R.L.(1999) *Samling Methods and Practice*. University of Florida. NCSSM Statistics Leadership Institute [available at: http://courses.ncssm.edu/math/Stat_Inst/PDFS/Sampling%20Methods%20and%20Practice.pdf] Giovannini, E. (2008) *Unerstanding Economic Statistics. An OECD Perspective.* OECD [available at: https://www.oecd.org/std/41746710.pdf] Carnot, N., Koen, V., Tissot, B. (2011) *Economic forecasting and policy.* Palgrave macmillan.