

UNIVERSITY OF MISKOLC
 Faculty of economics
 Institute of Economic Theory and Methodology

Syllabus
STATISTICS (GTÜSE1012AB)
 Courses in English in full-time BA program
 2nd semester, 2022/2023 academic year

Course title: STATISTICS		Neptun code of course: GTÜSE1012AB	
		Course type: Compulsory	
Course coordinator: Beatrix Varga, Ph.D., Associate professor			
Teaching staff involved: -			
Recommended semester: 2 nd		Preconditions: Mathematics for Economic Analysis I.	
No. of lessons/week: 2 + 2		Acknowledgement of course completion: exam	
Credit value: 5		Type of course: Lecture and practice	
Aim and content of course: The aim is to introduce the base of quantitative methods to examine the main processes and relations of business and economic life.			
Thematic description of course content:			
Lectures and Seminars:			
Week/date	Content		
3 rd March	The origin of statistics, the Hungarian Central Statistical Office. Basic definitions.		
10 th March	Ratio statistics.		
17 th March	Midterm test I. Graphic presentation.		
24 th March	Frequencies Measures of central tendency (means, mode, median)		
31 st March	Measures of central tendency (means, mode, median)		
7 th April	Holiday		
14 th April	Measures of dispersion (range, IQR, variance, standard dev., coeff. of var.) Percentiles, quartiles, box plot.		
21 st April	Midterm test II. Measures of shape, symmetry, asymmetry		
28 th April	Index numbers (price index, value index, quantity index)		
5 th May	Index numbers (territorial indexes)		
12 nd May	Midterm test III. Decomposition, Part 1.		
19 th May	Decomposition, Part 1.		
26 th May	Midterm test IV. Complex task solution		

[VB1] megjegyzést írt:

Requirements:***Method and evaluation of in-semester assessment:***

Participation in at least 70% of the seminars.

Reach 40% on the midterm tests.

Exam requirements:

Signature

Completion requirements and evaluation criteria for seminar grades and exams:

Written exam:

0-50: fail

51-60: pass

61-70: satisfactory

71-80: good

81-90: excellent

Other information:

Lecture: A1/128, Friday 8.00-9.30 am

Seminar: A1/128, Friday 9.45-11.15 am

Consultation:

it can be find at the webpage of the Institute of Economic Theory and Methodology

<http://gtk.uni-miskolc.hu/gei/faculty>

Compulsory literatures:

1. Lecture slides
2. Newbold, Paul: Statistics for business and economics; Upper Saddle River: Pearson Education, cop. 2007
3. Healey, Joseph F.: Statistics: A tool for social research; Belmont: Wadsworth Publ., 1984

Recommended literatures:

1. Rickmers, Albert D.: Statistics, an introduction; New York, McGraw-Hill, 1967

20th February, 2023

Beatrix Varga, Ph.D.
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