

SYLLABUS

1. Information regarding the program

1.1 Higher education institution	UNIVERSITY OF ORADEA
1.2 Faculty	FACULTY OF ECONOMIC SCIENCES
1.3 Department	ECONOMICS DEPARTMENT
1.4 Field of study	BUSINESS ADMINISTRATION
1.5 Cycle of study	CYCLE I - BACHELOR
1.6 Program of study/Degree	BUSINESS ADMINISTRATION/ BACHELOR'S DEGREE

2. Information regarding the discipline

2.1 Name of discipline	Economic Statistics(FSTE-0616)						
2.2 Course titleholder	Associate Prof. PhD Ioana Teodora MEȘTER						
2.3 Seminar titleholder	Asist. PhD. Anca Pup						
2.4 Year of study	I	2.5 Semester	I	2.6 Type of assessment	Ex	2.7 Type of discipline	I

(I) Compulsory; (O) Elective; (F) Facultative

3. Estimated total time(hours/semester of activities)

3.1 Number of hours/week	3	out of which: 3.2 course	2	3.3 seminar	1
3.4 Total of hours in the Curriculum	42	out of which: 3.5 course	28	3.6 seminar	14
Distribution of hours:					83 hours
Studying the workbook, course book, bibliography and notes					35 hours
Supplementary documentation in the library, on electronic specialty sites and in the field					20 hours
Preparing seminars/laboratories, themes, projects, portfolios and essays					26 hours
Tutorship					0 hour
Assessment activities					2 hours
Other activities.....					0 hours
3.7 Total hours of individual study	83				
3.9 Total hours/semester	125				
3.10 Number of credits	5				

4. Pre-requisites (if applicable)

4.1 Curriculum	-
4.2 Skills	-

5. Conditions(if applicable)

5.1. concerning the course activities	PowerPoint
5.2. concerning the seminar/laboratory activities	PowerPoint

6. Specific skills acquired

Professional skills	<ul style="list-style-type: none"> • C1.3 Applying the adequate instruments for the analysis of the influence relation exerted by the external business environment on the firm/organization • C3.3 Applying the specific instruments for the analysis of the functioning of a subdivision of the firm/organization • C4.3 Solving problems/specific solutions for the human resources: recruiting, selection, motivation, payment, working hours, training • C5.2 Explanation and interpretation, both quantitative and qualitative, of the information extracted from databases • C5.3 Applying the appropriate instruments for the data analysis specific to business administration
Transversal Skills	

7. Objectives of discipline (resulting from the grid of specific skills acquired)

7.1 General objective of discipline	<ul style="list-style-type: none"> ▪ Understanding the measuring, analysis and interpretation methods of economical and financial data, the formation and developing of the ability to analyse and synthesize statistical information
7.2 Specific objectives	<ul style="list-style-type: none"> ▪ The explaining of the correlation between economic variables and statistical notions ▪ The appropriate use of calculus methods ▪ The use of statistical indicators for the study of economic and financial phenomena ▪ The developing of the ability to explain statistical information ▪ The use of probability in the investigation of economic phenomena ▪ Formation of an economic researcher ▪ The formation and development to solve interdisciplinary problems ▪ The formation of research abilities

8. Contents

8.1 Course (C)	Teaching methods	Observations
8.1.1. Introduction to statistics. The object of study. Fundamental notions. Methods for the presentation of statistical data. The gathering of statistical data	Lecture, conversation, examples, explanation, demonstrations, exercises	2 hours
8.1.2. Graphical representations. Central trend parameters - the mean.	Lecture, conversation, examples, explanation, demonstrations, exercises	2 hours
8.1.3. Central trend parameters - the position indicators.	Lecture, conversation, examples, explanation, demonstrations, exercises	2 hours
8.1.4. The variability indicators of unidimensional series. The - the skewness of unidimensional series.	Lecture, conversation, examples, explanation, demonstrations, exercises	2 hours
8.1.5. The kurtosis of unidimensional series. Concentration measures.	Lecture, conversation, examples, explanation, demonstrations, exercises	2 hours
8.1.6. The analysis of the correlation between statistical variables.	Lecture, conversation, examples, explanation,	2 hours

Nonparametrical methods.	demonstrations, exercises	
8.1.7. The analysis of the correlation between statistical variables. Parametrical methods.	Lecture, conversation, examples, explanation, demonstrations, exercises	2 hours
8.1.8. Statistical indexes.	Lecture, conversation, examples, explanation, demonstrations, exercises	2 hours
8.1.9. Statistical indexes. Synthetical indexes, factorial indexes, indexes of two mean values.	Lecture, conversation, examples, explanation, demonstrations, exercises	2 hours
8.1.10. Time series. Indicators. Components separation methods. Adjusting methods.	Lecture, conversation, examples, explanation, demonstrations, exercises	2 hours
8.1.11. Partial evaluation during the semester - test	Lecture, conversation, examples, explanation, demonstrations, exercises	2 hours
8.1.12. Statistical observation. Statistical errors.	Lecture, conversation, examples, explanation, demonstrations, exercises	2 hours
8.1.13. Statistical surveys. Advantages and limits	Lecture, conversation, examples, explanation, demonstrations, exercises	2 hours
8.1.14. Statistical surveys. Estimating the parameters from statistical surveys.	Lecture, conversation, examples, explanation, demonstrations, exercises	2 hours
Bibliography 1. Meșter, Ioana Teodora, <i>Economic Statistics</i> , Editura Universității din Oradea, 2013. 2. Salvatore, D., Reagle, R., <i>Schaum's Outline of Statistics and Econometrics</i> , McGraw Hill, 2011		
8.2 Seminar (S)	Teaching methods	Observations
8.1.1. Fundamental notions. Methods for the presentation of statistical data. The construction of statistical series.	Lecture, explanation, exercises	1 hour
8.1.2. Statistical indicators.	Lecture, explanation, exercises	1 hour
8.1.3. The mean. The arithmetic and harmonic mean. Simplified formulas for the calculation of the mean.	Lecture, explanation, exercises	1 hour
8.1.4. Exercises regarding the structure indicators - the median, the modal value.	Lecture, explanation, exercises	1 hour
8.1.5. Exercises regarding the synthetical variation parameters.	Lecture, explanation, exercises	1 hour
8.1.6. Exercises regarding the form indicators - the skewness, the kurtosis. The concentration of statistical series.	Lecture, explanation, exercises	1 hour
8.1.7. Exercises regarding the correlation between the statistical variables. The analysis of the existence, the intensity, the direction of a correlation. The scatterplot.	Lecture, explanation, exercises	1 hour
8.1.8. Exercises regarding the correlation between the statistical variables. The analysis of the existence, the intensity, the direction of a correlation. The scatterplot. The R-squared value.	Lecture, explanation, exercises	1 hour
8.1.9. Exercises regarding the estimation of the simple linear regression equation parameters.	Lecture, explanation, exercises	1 hour
8.1.10. The simple linear correlation coefficient.	Lecture, explanation,	1 hour

	exercises	
8.1.11. Exercises regarding the statistical indexes – an index of two means.	Lecture, explanation, exercises	1 hour
8.1.12. Exercises regarding the statistical indexes – factorial indexes.	Lecture, explanation, exercises	1 hour
8.1.13. Exercises regarding time series. Time series indicators.	Lecture, explanation, exercises	1 hour
8.1.14. The adjusting of time series.	Lecture, explanation, exercises	1 hour
Bibliography		
<ol style="list-style-type: none"> 1. Meșter, Ioana Teodora, <i>Economic Statistics</i>, Editura Universității din Oradea, 2013. 2. Salvatore, D., Reagle, R., <i>Schaum's Outline of Statistics and Econometrics</i>, McGraw Hill, 2011 		

9. Corroboration of the contents of the discipline with the expectations of the epistemic community, professional associations and employers representing the field of study of the program

<ul style="list-style-type: none"> ▪ The course content is consistent with what is being studied in other universities in our country and abroad. ▪ To better adapt the contents of the discipline to market demands there have been meetings held with the representatives of several companies in Oradea.

10. Assessment

Type of activity	10.1 Assessment criteria	10.2 Assessment methods	10.3 Percentage of the final grade
10.4 Course (C)	The assimilation of notions. Specific language coherence.	Written paper	60%
10.5 Seminar (S)	The capacity to correctly solve a statistical exercise as well as to understand the statistical results from an economic perspective.	1 written paper during the semester	40%
10.9 Minimum performance standard			
<ul style="list-style-type: none"> ▪ Learning the basic statistical notions ▪ The ability to use statistical notions to solve a simple problem ▪ The correct interpretation of the values obtained in a statistical problem ▪ Obtaining at least the 4,50 grade at the written paper during the exam session ▪ Designing a study / business administration project ▪ Designing a work/project, assuming the responsibility of tasks specific to the role of multi-specialized team. 			

Date
28.09.2020

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**Date of approval in
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29.09.2020

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**Date of approval in
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30.09.2020

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