Syllabus

1. Programme information

1.1. Institution	THE BUCHAREST UNIVERSITY OF ECONOMIC STUDIES
1.2. Faculty	International Business and Economics
1.3. Departments	Department of Statistics and Econometrics
1.4. Field of study	International business and economics
1.5. Cycle of studies	Master Studies
1.6. Education type	Full-time
1.7. Study programme	Business Communication in English
1.8. Language of study	English
1.9. Academic year	2017-2018

2. Information on the discipline

2.1. Name	**Quantitative Research**								
2.2. Code	**17.0091IF1.1-0006**								
2.3. Year of study	**1**	2.4. Semester	**1**	2.5. Type of assessment	**Exam**	2.6. Status of the discipline	**O**	2.7. Number of ECTS credits	**4**

2.8. Leaders	C(C)	**prof.univ.dr. ROMAN Monica Mihaela**	monica.roman@csie.ase.ro
	S(S)	**prof.univ.dr. ROMAN Monica Mihaela**	monica.roman@csie.ase.ro

3. Estimated Total Time

3.1. Number of weeks	14.00		
3.2. Number of hours per week	2.00	of which	
		C(C)	1.00
		S(S)	1.00
3.3. Total hours from curriculum	28.00	of which	
		C(C)	14.00
		S(S)	14.00
3.4. Total hours of study per semester (ECTS*25)	100.00		
3.5. Total hours of individual study	72.00		
Distribution of time for individual study			
Study by the textbook, lecture notes, bibliography and student's own notes	20.00		
Additional documentation in the library, on specialized online platforms and in the field	15.00		
Preparation of seminars, labs, assignments, portfolios and essays	12.00		
Tutorials	20.00		
Examinations	5.00		
Other activities			

4. Prerequisites

4.1. of curriculum	
4.2. of competences	

5. Conditions

for the C(C)	Class rooms equipped with multimedia teaching hardware and software
for the S(S)	Class rooms with computers and specialized software (SPSS, Data Analysis / EXCEL)

6. Acquired specific competences

PREFESSIONAL	C2	

7. Objectives of the discipline

7.1. General objective	Practical and thoretical knowlege of the relevant principles and methods of quantitative research
7.2. Specific objectives	Applying the quantitative research methods Working with various data types Usung statistical softwares, as SPSS or Excel for applying quantitative research methods

8. Contents

8.1. C(C)		Teaching/Work methods	Recommendations for students
1	Introduction: objectives, bibliographic sources, requirements and minimum standards of continuous and final assessment. Research Process	Lecture	The main theme, the structure and the references are presented at the beginning of the lecture
2	Data gathering process and primary processing activities • Data Sources • Type of observation errors and control techniques • Statistical data types • Grouping statistical data • Presentation and statistical representation of data	Lecture	The main theme, the structure and the references are presented at the beginning of the lecture
3	Descriptive statistics for (single variable) data sets: • Central Tendency • Variability • Distribution form	Lecture	The main theme, the structure and the references are presented at the beginning of the lecture
4	Descriptive statistics for (two variables) data sets: • Parametric Correlation • Nonparametric Correlation	Lecture	The main theme, the structure and the references are presented at the beginning of the lecture
5	Descriptive statistics for (two variables) data sets: • Parametric Correlation • Nonparametric Correlation	Lecture	The main theme, the structure and the references are presented at the beginning of the lecture
6	Regression models	Lecture	The main theme, the structure and the references are presented at the beginning of the lecture
7	Presenting scientific research	Lecture	The main theme, the structure and the references are presented at the beginning of the lecture
8			

Bibliography

- Mitrut, C., Serban, D., Mitrut A., Statistics for bussiness administration, ASE, Bucuresti, 2003, http://www.biblioteca-digitala.ase.ro, România
- Cooper, Schindler, Business research methods , McGraw- Hill, 2006, Statele Unite ale Americii

8.2. S(S)		Teaching/Work methods	Recommendations for students
1	Grouping, presenting and representing data using specialized software packages	Interactive seminar	Solving the applications will be also done by using the specialized available software packages (Excel Data Analysis, SPSS)
2	Descriptive statistics for (single variable) data sets: • Central Tendency • Variability • Distribution form	Interactive seminar	Solving the applications will be also done by using the specialized available software packages (Excel Data Analysis, SPSS)
3	Hypothesis testing and Statistical Inference	Interactive seminar	Solving the applications will be also done by using the specialized available software packages (Excel Data Analysis, SPSS)
4	Multivariate analysis	Interactive seminar	Solving the applications will be also done by using the specialized available software packages (Excel Data Analysis, SPSS)
5	Corelation and regression analysis	Interactive seminar	Solving the applications will be also done by using the specialized available software packages (Excel Data Analysis, SPSS)
6	Corelation and regression analysis	Interactive seminar	Solving the applications will be also done by using the specialized available software packages (Excel Data Analysis, SPSS)
7	Presenting scientific research	Interactive seminar	Analysis of scientific articles
8			

Bibliography

- Mitrut, C., Serban, D., Mitrut A., Statistics for bussiness administration , ASE, Bucuresti, 2003, http://www.biblioteca-digitala.ase.ro, România
- Sweeney, Williams, Anderson, Fundamentals of Business Statistics, Thomson-South Western, 2006, Statele Unite ale Americii

9. Corroboration of the contents of the discipline with the expectations of the representatives of the epistemic community, of the professional associations and representative employers in the field associated with the programme

Course content is consistent with expectations epistemic community representatives and representatives of the business requirements in the field.

10. Assessment

Type of activity	Assessment criteria	Assessment methods	Percentage in the final grade
10.1. S(S)	Seminar attendance	Homework assessment and seminar answers	30.00
10.2. Final assessment	Conducting an independent research project	Oral presentation	70.00
10.3. Modality of grading	Whole notes 1-10		
10.4. Minimum standard of performance	Minimum 5 points at final evaluation.		

Date of listing,
05/26/2022

Signature of the discipline leaders,

Date of approval in the department

Signature of the Department Director,