

Syllabus

1. Programme information

1.1. Institution	THE BUCHAREST UNIVERSITY OF ECONOMIC STUDIES
1.2. Faculty	BUCHAREST BUSINESS SCHOOL
1.3. Departments	ECONOMIC DEVELOPMENT OF THE COMPANY
1.4. Field of study	BUSINESS ADMINISTRATION
1.5. Cycle of studies	MASTER STUDIES
1.6. Education type	FULL-TIME / PART TIME
1.7. Study programme	INDE Romanian-French MBA
1.8. Language of study	English
1.9. Academic year	2015-2016

2. Information on the discipline

2.1. Name	Statistics								
2.2. Code									
2.3. Year of study	1	2.4. Semester	2	2.5. Type of assessment	Exam	2.6. Status of the discipline	O	2.7. Number of ECTS credits	5
2.8. Leaders	C(C)								
	S(S)								

3. Estimated Total Time

3.1. Number of weeks	14,00		
3.2. Number of hours per week	3,00	of which	
		C(C)	2,00
		S(S)	1,00
3.3. Total hours from curriculum	42,00	of which	
		C(C)	28,00
		S(S)	14,00
3.4. Total hours of study per semester (ECTS*25)	125,00		
3.5. Total hours of individual study	83,00		
<i>Distribution of time for individual study</i>			
Study by the textbook, lecture notes, bibliography and student's own notes	34,00		
Additional documentation in the library, on specialized online platforms and in the field	14,00		
Preparation of seminars, labs, assignments, portfolios and essays	28,00		
Tutorials	3,00		
Examinations	3,00		
Other activities	1,00		

4. Prerequisites

4.1. of curriculum	NA
--------------------	----

4.2. of competences	General knowledge of math
---------------------	---------------------------

5. Conditions

for the C(C)	Internet access, multimedia equipment
for the S(S)	Seminars are held in computer labs equipped with computer packages specialized in statistical methods

6. Acquired specific competences

PROFESSIONAL	C1	The analysis and evaluation of the business status, the estimation of perspectives, the identification of strengths and weaknesses, of business potential and of possible ways of action
PROFESSIONAL	C2	The analysis and evaluation of the business environment, the estimation of tendencies, identification of threats and business opportunities, forecasting the business environment evolution on short and long term
PROFESSIONAL	C3	Formulation and substantiation of the policies and business strategies through joining specialized knowledge with experience

7. Objectives of the discipline

7.1. General objective	Development of required abilities for business information management
7.2. Specific objectives	Mastering the key concepts of statistics Ability to interpret and explain the managerial implications of the analysis results Ability to analyze a database of statistical techniques

8. Contents

8.1. C(C)		Teaching/Work methods	Recommendations for students
1	Statistical Concepts, Graphical Descriptive Techniques : Tables and Charts Information Systems in Business Today Global e-business and collaboration	Lecture	Gerald Keller, Managerial Statistics Abbreviated Capitolul 1: 1.1 > 1.4 & Capitolul2: 2.1 > 2.3 & Capitolul3: 3.1 > 3.4 &Capitolul5: 5.1 > 5.2
2	Numerical descriptive measures	Lecture	Gerald Keller, Managerial Statistics Abbreviated Capitolul 4: 4.1 > 4.8
3	Probability and random variables	Lecture	Gerald Keller, Managerial Statistics Abbreviated, Capitolul 6: 6.1 > 6.5 &Capitolul 7: 7.1, 7.4, 7.5 & Capitolul 8: 8.1 > 8.4
4	Sampling distributions Confidence interval estimation	Lecture	Gerald Keller, Managerial Statistics Abbreviated, Capitolul 9: 9.1 > 9.4 & Capitolul 10: 10.1 > 10.3

5	Test of the hypothesis	Lecture	Gerald Keller, Managerial Statistics Abbreviated, Capitolul 11: 11.1 > 11.4 & Capitolul 12: 12.1 > 12.4
6	Comparison of the two populations	Lecture	Gerald Keller, Managerial Statistics Abbreviated, Capitolul 13: 13.1 > 13.5
7	Analysis of alternatives	Lecture	Gerald Keller, Managerial Statistics Abbreviated, Capitolul 14: 14.1 > 14.2
8	Correlation and simple linear regression	Lecture	Gerald Keller, Managerial Statistics Abbreviated, Capitolul 17: 17.1 > 17.3
9	Multiple regression	Lecture	Gerald Keller, Managerial Statistics Abbreviated, Capitolul 14: 14.6 & SPC Note de curs
10	Quality control	Lecture	Gerald Keller, Managerial Statistics Abbreviated, Capitolul 3: 3.3 & Capitolul 16: 16.1 > 16.6

Bibliography

- Gerald Keller, Managerial Statistics Abbreviated, South Western - Cengage Learning, 2012
- D. Levine, D. Stephan and T. C. Krehbiel, L. Berenson, Statistics for Managers Using Microsoft Excel, 5th ed., Pearson Editions, 2008
- Powerpoints

8.2. S(S)		Teaching/Work methods	Recommendations for students
1	Statistical Concepts, Graphical Descriptive Techniques : Tables and Charts Information Systems in Business Today Global e-business and collaboration	Applications and homeworks	
2	Numerical descriptive measures	Applications and homeworks	
3	Probability and random variables	Applications and homeworks	
4	Sampling distributions Confidence interval estimation	Applications and homeworks	
5	Test of the hypothesis	Applications and homeworks	
6	Comparison of the two populations	Applications and homeworks	
7	Analysis of alternatives	Applications and homeworks	
8	Correlation and simple linear regression	Applications and homeworks	
9	Multiple regression	Applications and homeworks	
10	Quality control	Applications and homeworks	

Bibliography

- Gerald Keller, Managerial Statistics Abbreviated, South Western - Cengage Learning, 2012
- D. Levine, D. Stephan and T. C. Krehbiel, L. Berenson, Statistics for Managers Using Microsoft Excel, 5th ed., Pearson Editions, 2008

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

The content is identical with the curricula of the MBA program delivered by the partner university (CNAM) and consistent with the curricula of major MBA programs from all over the world.

In order to better adapt the content to labour market requirements, were deployed meetings with business representatives, business analysts and practitioners from the field, former students from both Romania and France.

10. Assessment

Type of activity	Assessment criteria	Assessment methods	Percentage in the final grade
10.1. C(C)	Active participation during courses deliveries, raising questions, making comments, contributions	Register the frequency and interaction soundness	10,00
10.2. S(S)	Active participation in preparatives and class work	Register the frequency and interaction soundness	10,00
10.3. S(S)	In class examination	Acquired professional abilities	30,00
10.4. Final assessment	Acquired knowledge	Written paper exam	50,00
10.5. Modality of grading	Whole notes 1-10		
10.6. Minimum standard of performance	Active participation in class exercises, acquired basic knowledge on statistics concepts used in business management		