



SYLLABUS Academic year 2017-2018

1. Information regarding the programme

1.1. Higher education institution	BABES-BOLYAI UNIVERSITY
1.2. Faculty	BUSINESS
1.3. Department	BUSINESS ADMINISTRATION
1.4. Field of study	BUSINESS ADMINISTRATION
1.5. Study cycle	MASTER
1.6. Study programme / Qualification	AAOTI

2. Information regarding the course

2.1. Name of the course	FORECAS	STING IN TOURISM
2.2. Code	IME0035	
2.3. Course coordinator		Professor Cristian Chifu, PhD
2.4. Seminar coordinator		Professor Cristian Chifu, PhD
2.5. Year of study 1 2.6	. Semester	II 2.7. Type of evaluation EC 2.8. Type of course compulsory

3. Total estimated time (hours/semester of didactic activities)

3. Total estimated time (noting semicited of diductic activities)						
3.1. Hours per week		4	Of which: 3.2. lecture	2	3.3 seminar/laboratory	2
3.4. Total hours in the	e curriculum	56	Of which: 3.5. lecture	28	3.6. seminar/laboratory	28
Time allotment:						ore
Learning using manua	al, course suppor	t, bibl	iography, course notes	3		28
Additional documentation (in libraries, on electronic platforms, field documentation)				28		
Preparation for seminars/labs, homework, papers, portfolios and essays				28		
Tutorship				2		
Evaluations					2	
Other				6		
activities:				Ü		
3.7. Total individual study hours				94		
3.8. Total hours per semester				150		
3.9. Number of ECTS credits				6		

4. Prerequisites (if necessary)

4.1. curriculum	
4.2. competencies	















5. Conditions (if necessary)

5.1. for the course	classroom with computer and projector;
5.2. for the seminar /lab activities	classroom with computer and projector;

Specific competencies acquired

U. S	specific competencies acquired
s	At the end of this course students must be able to:
Professional competencies	• use the econometrics principles and understand its principles as a quantitative
ssic	analysis tool;
efes ope	communicate in econometric "language"
Prc	 to forecast values for hotel activity indicators such as the demand;
5	
	applying rigorous and efficient work rules, evidence of responsible attitudes and
sal	teaching science to optimally creative potential of their own specific situations with the
enc	principles and rules of professional ethics;
Transversal competencies	• an efficient and effective organized team activities; effective use of information sources
ran Jud	and communication resources and training assistance, both in Romanian and in a foreign
L S	language;

7. Objectives of the course (outcome of the acquired competencies)

7.1. General objective of the		Learning the econometrics principles and understanding its
course		principles as a tool for quantitative analysis
7.2. Specific objective of the course	•	the ability to use the statistical and econometrical language and acquire knowledge and skills in an area with a very large application at macro and micro level: econometrics; develop skills of data analysis that describes an economic phenomenon; development of communication skills in econometric language.

8. Content

8.1. Course	Teaching method	Remarks
Introduction in econometrics and time series	interactive	1 course
analysis. A review of some statistical	discussion	
concepts		
The linear regression model: two-variable	interactive	1 course
model	discussion	
 Population regression function 		
 Sample regression function 		
• Estimation of parameters: The method		
of ordinary least squares		
 Hypothesis testing 		















Coefficient of correlation. Coefficient of determination		
 Forecasting 		
Considerations on the ordinary least		
squares method		
Multiple regression	interactive	1 course
The three-variable linear regression model	discussion	
 Estimation of parameters 		
 Hypothesis testing in multiple regression 		
 Coefficient of multiple correlation. Coefficient of determination 		
 Removing explanatory variables from the mdel 		
 Adding explanatory variables to the model 		
 Forecasting 		
Functional forms of regression models	interactive	2 courses
 Log-linear model (multiplicative) 	discussion	
 Semilog model (exponential) 		
 Lin-log model (logarithmic X) 		
 Reciprocal model 		
 Multiple log-linear model 		
Polynomial model		
Component Factors of Time-Series Models.	interactive	1 course
Smoothing an Annual Time Series	discussion	
 Moving average 		
Exponential Smoothing		
Least-Squares Trend Fitting and Forecasting	interactive	1 course
The Linear Trend Model	discussion	
The Quadric Trend Model		
The exponential Trend Model		
Model Selection Using First, Second		
and Percentage Difference		
Choosing an Appropriate Forecasting Model	interactive	1 course
Performing a Residual Analysis The British of Bri	discussion	
The Principle of Parsimony		
A comparison of Four Forecasting Methods		
Time-Series Forecasting of Seasonal Data	interactive	1 course
 Least Square Forecasting with 	discussion	
Monthly or Quarterly Data		

















1			4	
		interactive	1 course	
The nature of autocorelation		discussion		
• Consec	quences of autocorelation			
 Detection 	on of autocorelation			
 Remed 	ial measures			
Dynamic econ	omic models	interactive	1 course	
 Autore 	gressive models	discussion		
 Distrib 	uted lag models			
Trend in Time	Series. Spurious Regression	interactive	1 course	
		discussion		
Revision		interactive	1 course	
		discussion		
Project Presen	tation	interactive	1course	
		discussion		
	1. Bereson, M.L., Levine,	D.M., Krehbiel, T.	.C., Basic Business Statistics,	
	Pearson, Prentice Hall, NJ, 2009.			
	2. Gujarati, D., Porter, D.C., Basic Econometrics. New York: McGraw-Hill, 200			
Bibliography	3. Ruud, P.A., Classical Econometric Theory, Oxford University Press, 2000.			
	4. Wooldridge, J.M., Introductory Econometrics, South-Western College Publishin			
	2000.			
	5. Reader_Forecasting_2017 (by e-mail)			

8.2. Seminar	Teaching method	Remarks
Introduction in econometrics and time series	interactive	1 seminar
analysis. A review of some statistical	discussion	
concepts		
The linear regression model: two-variable	interactive	1 seminar
model	discussion	
 Population regression function 		
 Sample regression function 		
• Estimation of parameters: The method		
of ordinary least squares		
 Hypothesis testing 		
 Coefficient of correlation. Coefficient 		
of determination		
 Forecasting 		
 Considerations on the ordinary least 		
squares method		
Multiple regression	interactive	1 seminar
The three-variable linear regression	discussion	
model		
 Estimation of parameters 		
 Hypothesis testing in multiple 		















ragression		
regressionCoefficient of multiple correlation.		
Coefficient of Inuttiple correlation. Coefficient of determination		
Removing explanatory variables from		
the mdel		
Adding explanatory variables to the		
model		
 Forecasting 		
Functional forms of regression models	interactive	2 seminars
• Log-linear model (multiplicative)	discussion	
 Semilog model (exponential) 		
• Lin-log model (logarithmic X)		
Reciprocal model		
Multiple log-linear model		
Polynomial model		
Component Factors of Time-Series Models.	interactive	1 seminar
Smoothing an Annual Time Series	discussion	
 Moving average 		
Exponential Smoothing		
Least-Squares Trend Fitting and Forecasting	interactive	1 seminar
The Linear Trend Model	discussion	
The Quadric Trend Model		
The exponential Trend Model		
 Model Selection Using First, Second 		
and Percentage Difference		
Choosing an Appropriate Forecasting Model	interactive	1 seminar
 Performing a Residual Analysis 	discussion	
 The Principle of Parsimony 		
 A comparison of Four Forecasting 		
Methods		
Time-Series Forecasting of Seasonal Data	interactive	1 seminar
Least Square Forecasting with	discussion	
Monthly or Quarterly Data		
Autocorrelation	interactive	1 seminar
The nature of autocorelation	discussion	
Consequences of autocorelation		
Detection of autocorelation		
Remedial measures		
Dynamic economic models	interactive	1 seminar
Autoregressive models	discussion	
Distributed lag models		
Trend in Time Series. Spurious Regression	interactive	1 seminar
	discussion	

















Revision	interactive 1 seminar			
	discussion			
Project Present	tation interactive 1 seminar			
	discussion			
Bibliography	 Bereson, M.L., Levine, D.M., Krehbiel, T.C., Basic Business Statistics, Pearson, Prentice Hall, NJ, 2009. Gujarati, D., Porter, D.C., Basic Econometrics. New York: McGraw-Hill, 2009 Ruud, P.A., Classical Econometric Theory, Oxford University Press, 2000. Wooldridge, J.M., Introductory Econometrics, South-Western College Publishing, 2000. Reader Forecasting 2017 (by e-mail) 			

9. Corroborating the content of the course with the expectations of the epistemic community, professional associations and representative employers within the field of the program

- The course content is in correspondence with what is done in other universities in the country and abroad.
- To adapt to the market demands of the contents, meetings were held with representatives of the business community.

10. Evaluation

Type of activity	10.1 Evaluation	10.2 Evaluation	10.3 Pondere din nota finală
10.4. Course	 criteria correct logical and coherent application of the concepts learned logical and accurate explanation and interpretation of the results; 	method final exam	50%
10.5. Seminar/lab activities	 the ability to apply concepts learned in practice correct logical and coherent application of the concepts learned economic explanation of the results; 	applicative activities (projects, essays, reports, etc.) the active participation in seminars and solving tasks during the semester	20%















•	interest in the individual preparation throughout the whole semester		
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10.6. Minimum performance standards

- ➤ Knowledge of the fundamental concepts and their applicate examples;
- ➤ The economic interpretation of the results.

Date Signature of course coordinator Signature of seminar coordinator

29.03.2017 Ioan Cristian Chifu, PhD Ioan Cristian Chifu, PhD

Date of approval

Signature of the Head of department

22.05.2017 Cornelia Pop, PhD









