



SYLLABUS

Academic year 2016-2017

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	

2. Information regarding the course

2.1. Name of the course	FORESTING 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	2.6. Semester	2.7. Type of evaluation	E	2.8. Type of course	compulsory

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

3.1. Hours per week	4	Of which: 3.2. lecture	2	3.3 seminar/laboratory	2
3.4. Total hours in the curriculum	56	Of which: 3.5. lecture	28	3.6. seminar/laboratory	28
Time allotment:					ore
Learning using manual, course support, bibliography, course notes					28
Additional documentation (in libraries, on electronic platforms, field documentation)					28
Preparation for seminars/labs, homework, papers, portfolios and essays					28
Tutorship					4
Evaluations					2
Other activities:					8
3.7. Total individual study hours					98
3.8. Total hours per semester					154
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;



6. Specific competencies acquired

Professional competencies	<p>At the end of this course students must be able to:</p> <ul style="list-style-type: none"> • use the econometrics principles and understand its principles as a quantitative analysis tool; • communicate in econometric “language” • to forecast values for hotel activity indicators such as the demand;
Transversal competencies	<ul style="list-style-type: none"> • applying rigorous and efficient work rules, evidence of responsible attitudes and teaching science to optimally creative potential of their own specific situations with the principles and rules of professional ethics; • an efficient and effective organized team activities; effective use of information sources and communication resources and training assistance, both in Romanian and in a foreign language;

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

7.1. General objective of the course	<ul style="list-style-type: none"> • Learning the econometrics principles and understanding its principles as a tool for quantitative analysis
7.2. Specific objective of the course	<ul style="list-style-type: none"> • 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 analysis. A review of some statistical concepts	interactive discussion	Econometrics methodology Statistical Inference, Estimators, Hypothesis testing: Short review
The linear regression model: two-variable model	interactive 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 discussion	The three-variable linear regression model Estimation of parameters Hypothesis testing in multiple regression Coefficient of multiple correlation. Coefficient of determination Removing explanatory variables from the model Adding explanatory variables to the model Forecasting
Functional forms of regression models	interactive discussion	Log-linear model (multiplicative) Semilog model (exponential) Lin-log model (logarithmic X) Reciprocal model Multiple log-linear model Polynomial model
Heteroscedasticity	interactive discussion	The nature of heteroscedasticity Consequences of heteroscedasticity Detection of heteroscedasticity Remedial measures
Autocorrelation	interactive discussion	The nature of autocorrelation Consequences of autocorrelation Detection of autocorrelation Remedial measures
Component Factors of Time-Series Models. Smoothing an Annual Time Series	interactive discussion	Moving average Exponential Smoothing
Least-Squares Trend Fitting and Forecasting	interactive discussion	The Linear Trend Model The Quadric Trend Model The exponential Trend Model Model Selection Using First, Second and Percentage Difference
Dynamic economic models	interactive discussion	Autoregressive models Distributed lag models
Choosing an Appropriate Forecasting Model	interactive discussion	Performing a Residual Analysis The Principle of Parsimony A comparison of Four Forecasting Methods
Time-Series Forecasting of Seasonal Data	interactive discussion	Least Square Forecasting with Monthly or Quarterly Data
Trend in Time Series	interactive discussion	Spurious Regression



Revision	interactive discussion	Solving a model for the final exam
Project Presentation	interactive discussion	
Bibliography	<ol style="list-style-type: none"> 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, 2009 3. Ruud, P.A., Classical Econometric Theory, Oxford University Press, 2000. 4. Wooldridge, J.M., Introductory Econometrics, South-Western College Publishing, 2000. 	

8.1. Laboratory	Teaching method	Remarks
Introduction in econometrics and time series analysis. A review of some statistical concepts	interactive discussion	Econometrics methodology Statistical Inference, Estimators, Hypothesis testing: Short review
The linear regression model: two-variable model	interactive 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 discussion	The three-variable linear regression model Estimation of parameters Hypothesis testing in multiple regression Coefficient of multiple correlation. Coefficient of determination Removing explanatory variables from the model Adding explanatory variables to the model Forecasting
Functional forms of regression models	interactive discussion	Log-linear model (multiplicative) Semilog model (exponential) Lin-log model (logarithmic X) Reciprocal model Multiple log-linear model Polynomial model



Heteroscedasticity	interactive discussion	The nature of heteroscedasticity Consequences of heteroscedasticity Detection of heteroscedasticity Remedial measures
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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 criteria	10.2 Evaluation method	10.3 Pondere din nota finală
10.4. Course	<ul style="list-style-type: none"> • correct logical and coherent application of the concepts learned • logical and accurate explanation and interpretation of the results; 	final exam	50%
10.5. Seminar/lab activities	<ul style="list-style-type: none"> • the ability to apply concepts learned in practice • correct logical and coherent application of the concepts learned • economic explanation of the results; • interest in the individual preparation throughout the whole semester 	applicative activities (projects, essays, reports, etc.)	30%
		the active participation in seminars and solving tasks during the semester	20%

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

10.06.2016

Ioan Cristian Chifu, PhD

Ioan Cristian Chifu, PhD

Date of approval

Signature of the Head of department

Cornelia Pop, PhD