

Educational Programme	ECONOMETRICS AND APPLIED STATISTICS
Degree Awarded	Master in Econometrics and Applied Statistics
Standard Length of Studies (Number of ECTS Credits)	2 years – 4 semesters – 120 ECTS
Type of Study	Full-time
Higher Education Institution	Babeş-Bolyai University
Faculty / Department	Faculty of Economics and Business Administration/ Department of Statistics-Forecasts-Mathematics
Contact Person	Professor Ilie PARPUCEA, PhD
Phone	+40 264 418652
Fax	+40 264 412570
E-mail	Ilie.parpucea@econ.ubbcluj.ro
Profile of the Degree Programme	Cybernetics, Statistics and Economic Informatics
Target Group / Addressees	Business and economics graduates, as well as other graduates interested in acquiring in-depth knowledge and skills in quantitative methods and forecasting.
Entrance Conditions	Bachelor Degree+ Certificate of Language Ability+ entrance examination (according to the admission regulation)
Further Education Possibilities	The master course aims to provide students with the appropriate tools for further doctoral studies.
Description of Study	<ul style="list-style-type: none"> - Teaching language: Romanian - Core courses: Stochastic Processes and Models, Advanced Econometrics, Econometrics of Qualitative Variables, Multidimensional Data Analysis, Advanced Microeconomics, Empirical Finance, Risk Measurement Methods in Banking, Financial Econometrics, Spatial Econometrics, Actuarial Statistics, Game Theory with Applications. - Partner universities / institutions: University of Orleans, France.
Purposes of the Programme	<p>Developing the skills and competencies in:</p> <ul style="list-style-type: none"> - a wide range of quantitative methods that apply in several fields of economics and business; - organizing and managing statistical data sets ; - analyzing statistical data sets by applying complex econometric methodologies; - using statistical and econometric software (Stata, Mathematica, EViews) - delivering analyses and forecasts of different economic variables, both at micro and macro levels. Our master students are future analysts and consultants in fields like: finance, business administration, market studies.
Specialization / Area of Expertise	Students gain knowledge in different areas of Econometrics, Statistics, Economics and Finance.
Extra Peculiarities	-
Practical Training	Students go through a practical training in the 2 nd year (semester 4) of their studies while preparing their research thesis.

Final Examinations	Research Master Thesis
Gained Abilities and Skills	<p style="text-align: center;">GENERAL SKILLS</p> <ul style="list-style-type: none"> - Knowing, understanding, analyzing, adapting and using the concepts, theories, principles and fundamental methods of investigation and survey specific to the market economy; - Collecting, processing, analyzing and interpreting data and information on specified issues with a view to elaborating knowledge-based diagnoses and syntheses and taking fundamental decisions; - Undertaking original research in economics and business, based on advanced methods leading to the development of scientific knowledge and research methodology. - Systematic and advanced knowledge of quantitative and qualitative modelling methods and their application to economic diagnostics and forecasting. - Using technology and modern instruments to process information and manage databases specific to social and economic activities; - Acquiring a set of scientific research skills allowing further professional development at doctoral level. <p style="text-align: center;">SPECIFIC SKILLS</p> <ul style="list-style-type: none"> - In-depth knowledge and the ability to apply quantitative methods, techniques and instruments to analyze economic processes and phenomena; - Econometric modelling and forecasting of economic data; - Managing and organizing data sets; - Analyzing and synthesizing information from large data sets; - using specialized software (MATHEMATICA, SPSS, STATA, EViews etc.);
Job Placement, Potential Field of Professional Activity	<p>2122 Statistical Specialists 212201 statistical advisor 212202 statistical expert 212203 statistical inspector 212204 statistical referee 2310 Professors, associate professors, lecturers, teaching assistants and collaborators in higher education 231001 teaching assistant 231002 associate professor 231003 training expert 231004 lecturer 2411 Finance Specialists 241110 finance-accounting referee 241113 dealer 241114 assessor 241115 investment analyst 241116 shares/bonds fund manager 241117 securities consultants 241118 risk capital agent</p>

	2415 Banking Specialists 241502 bank economist 241507 banking/ leasing analyst 241512 banking advisor 2416 Insurance Specialists 241603 insurance referee 2492 Statistical Researchers and Research Assistants 249201 statistical researcher 249202 statistical research assistant 2560 Financial-banking researchers and research assistants 2581 Economic researchers and research assistants
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Date,
01.11.2010

Dean,
Professor Dumitru MATIȘ, PhD

Profile Responsible,
Professor Ilie PARPUCEA, PhD