Field name	Description
University	"Constantin Brâncuşi" University of Târgu-Jiu
Faculty	Faculty of Economics
Department	Finance and Accounting
Position Title List	6
Position	Professor
Disciplines in the Curriculum plan	- General Economics
	- Research Methodology in Economics
	- Statistics
	- Econometrics
Scientific field	Cybernetics and Statistics
Job description	Professor position, vacancy number 6, Department of Finance and Accounting, Faculty of Economics. All the
	disciplines for this academic position can be found in
	the curricula of the bachelor's and master's degree
	programs within the Faculty of Economics and the
	Faculty of Engineering. Also, the position includes, in
	addition to teaching and evaluation activities, student
	consultations, as well as guidance activities for
	students to prepare for the undergraduate
	dissertation.
	This is a tenure track position.
Responsibilities	Teaching activities:
	- General Economics – 2 hour lecture
	- Research Methodology in Economics -2 hour lecture and
	4 hour seminar
	-Statistics – 2 hour seminar
	-Econometrics— 5 hour seminar
	- Consultations -2 hours
	- Evaluation activities – 2 hours
	- Supervising the writing of undergraduate dissertation – 1
	hour
	Research activities - according to the Higher
	Education Law no. 199/2023 and the job description,
	which will be drawn up as an annex to the
Wago	employment contract. 9725 RON
Wage Publication data in the Official Journal	
Publication date in the Official Journal	30.04.2024
Start and end time of application	30.04.2024 – 12.06.2024
Date, day and hour of lecture	July 5 th 2024, Friday, 14.00 p.m.

Lecture venue	Faculty of Economics, no. 4 Tineretului Street, Târgu-Jiu, Gorj
Dates of competition including lecture and courses	July 5 th 2024
Date of results announcement	July 5 th 2024
Start and end dates for exam appeal	July 8th –July 10th 2024
Topics for preparing exam	For candidates coming from the higher education system, the accomplishment of minimum standards for occupying the position of Professor will be checked in accordance with the Higher Education Law no. 199/2023, with subsequent amendments and additions, the Ministry of National Education and Scientific Research Order no. 6129/20.12.2016, the Framework Methodology of competition for filling teaching and research vacant positions in higher education approved by H.G. no. 1339/2023 and the Methodology of applying for teaching and research positions of "Constantin Brâncuşi" University of Târgu-Jiu, approved in the Senate of "Constantin Brâncuşi" University of Târgu-Jiu on 13.03.2024. The candidates who are not from the higher education system will additionally deliver a public lecture, a didactic lecture respectively a scientific one, in front of the students and in the presence of the selection committee, with the following topics:
	 Course: General Economics Topics: 1. Consumer theory. Producer theory 2. Demand and supply 3. Types of markets and mechanisms of price formation 4. Labor market and wage 5. Economic growth 6. Economic equilibrium and disequilibrium 7. Consumption and investments 8. Fluctuations in economic activity 9. Employment and unemployment 10. Inflation 11. Budgetary policy and fiscal policy. Monetary policy

12. Welfare and poverty. Income redistribution policies

Bibliography

- 1. Andrei, L.C. (2011), *Economics*, 2nd edition, Economic Publishing House, Bucharest.
- 2. Dinga E. (coord.) (2022), *Economy and Society*, Economic Publishing House, Bucharest.
- 3. Dobrotă, N. (coord.) (1995), *Economics*, Economic Publishing House, Bucharest.
- 4. Lipsey, R. G., Chrystal, K. A. (2002), *Principle of Economics*, Economic Publishing House, Bucharest.
- 5. Mankiw, N.G. (2011), *Principles of Economics, 5th edition*, South-Western Cengage Learning, US.
- 6. Menger, C. (2007), *Principles of economics*, Ludwig von Mises Institute, Auburn, US.

Course: Research Methodology in Economics Topics:

- 1. Scientific research. Rigor and inventiveness. Scientific knowledge. Common knowledge and scientific knowledge. Principles and rigors of scientific research. The scientific problem. Scientific information, object of scientific production. Organization of scientific research activity.
- 2. Techniques and strategies for individual research. Scientific research and documentation for the bachelor dissertation, master dissertation and doctoral thesis. The role of the scientific supervisor. The steps for individual scientific research. Disseminating of individual research results.
- 3. Techniques and strategies for team work research. Setting up a research team. Collaborating of individuals within a research project. The role of the project manager. Disseminating the results obtained by the research team.
- 4. Steps and dynamics of the scientific research process. Choosing the research topic. Designing the structure of the future scientific work. Choosing the bibliography. Deeping the literature of the research topic undertaken. Classic forms of documentation and bibliographic classification. Modern forms of documentation and bibliographic

- classification. Databases and specific information for economic research. National and international economic journals. Scientometrics. Making the structure of a research paper. Elaborating the research agenda. Elaborating the research paper. Disseminating and capitalizing the results and the scientific research.
- 5. Economic model. The necessity of economic modelling. Linear regression models. Nonlinear regression models. The use of regression models in economics. Verifying hypothesis and formulating scientific conclusions. Using statistical software for processing the data SPSS, EViews in economic research.
- 6. Writing a scientific paper. The work plan and the algorithm of a scientific paper. Standards of writing a scientific paper in economics. Rules and techniques of writing scientific papers in the economic field. Public presentation of scientific papers.
- 7. Intellectual Property and Copyright. Ethics and morality in scientific research. National and international regulations on intellectual property. Pecuniary and criminal sanctions.

Bibliography

- 1. Baban, A. (2002), *Methodology of qualitative research* Presa Universitară Clujeană Publishing House, Cluj-Napoca.
- 2. Constantinescu, N.N. (1998), *Problems of scientific research in economics*, Economic Publishing House, Bucharest.
- 3. Ethridge, D. (2004), Research Methodology in Applied Economics, 2nd Edition, Blackwell Publishing House.
- 4. Popescu, C. et al. (2006), *Methodology of scientific research in economics*, ASE Publishing House Bucharest.
- 5. Ristea, A.L., Franc, V.I. (2013), *Methodology of scientific research*, Expert Publishing House, Bucharest.
- 6. Zaiţ, D., Spalanzani, A. (2006), Research in economics and management, Economic Publishing House, Bucharest.

Course: *Statistics*

Topics:

- 1. Statistics a knowledge instrument of economic phenomena. The object and the method of statistics. Collecting, systematizing and presenting the data.
- 2. Numerical indicators of distributions. Measures of central tendency. Measures of variance. Measures of skewness and kurtosis. Measures of variance for bi-dimensional distributions.
- 3. Analysis of the relationship between economic variables. The notion of stochastic dependence. Simple linear regression and correlation. Simple curvilinear regression and correlation. Multiple regression and correlation. The association coefficient. Rank correlation coefficients.
- 4. Time series analysis. Absolute indicators. Relative indicators. Absolute average indicators. Average relative indicators. Modelling time series. Trend adjustment methods. Extrapolation of time series.

Bibliography

- 1. Andrei, T. (2004), *Statistics and Econometrics*, Economic Publishing House, Bucharest.
- 2. Bădița, M., Baron, T., Korka, M. (1998), *Statistics for business*, Eficient Publishing House, Bucharest.
- 3. Duguleana, L. (2012), *Basics of statistics for economics*, C. H. Beck Publishing House, Bucharest.
- 4. Georgescu, V. (2005), *Descriptive and inferential statistics*, Universitaria Publishing House, Craiova.
- 5. Isaic-Maniu, Al., Mitruţ C., Voineagu, V. (2004), *Statistics*, Bucharest University Publishing House.
- 6. Jaba E. (2007), *Statistics 3rd edition*, Economic Publishing House, Bucharest.

Course: *Econometrics*

Topics:

- 1. General presentation of econometric models. Economic variables. Relationship between economic variables. Linearity and presentation forms.
- 2. The simple linear regression model. Defining the simple linear regression model. Estimating the parameters of a simple linear econometric model.

- Statistical inference within the simple linear regression model.
- 3. The multiple linear regression model. Definition of the linear multifactorial regression model. Selection of explanatory variables. Estimating the parameters of the linear multifactorial model. Statistical inference within the multiple linear regression model. Imperfections in multiple linear regression model generation omission of relevant variables and/or addition of irrelevant variables.
- 4. Violation of Assumptions in Linear Regression Models. Heteroscedasticity. Autocorrelation of errors. Multicollinearity.
- 5. The non-linearity of some dependence relationships between variables economic Nonlinearity of relationships between economic variables. Quadratic regression. Inverse regression. Exponential regression. Polynomial regression. Logistic regression. Statistical inference in nonlinear models.
- 6. Survival analysis. Survival function and hazard function. Kaplan-Meier estimator. Cox proportional hazard model. The use of survival analysis in economics.

Bibliography

- 1. Andrei, T. (2004), *Statistics and Econometrics*, Economic Publishing House, Bucharest.
- 2. Andrei, T., Bourbonnais, R. (2008), *Econometrics*, Economic Publishing House, Bucharest.
- 3. Greene, H. W. (2011), Econometrics Analysis, 7th Edition, Prentice Hall Publishing House, New York
- 4. Gujarati, R. N. (2004), *Basic Econometrics*, 4th Edition, Mc. Graw-Hill, New-York.
- 5. Lee, E. T., Wang, J. (2003), Statistical Methods for Survival Data Analysis, 3rd edition, Wiley Interscience, John Wiley&Sons publication.
- 6. Pecican, E. Ş. (2005), *Econometrics for...economists*, Economic Publishing House, Bucharest.
- 7. Stancu, S. (2011), Econometrics. Theory and applications using EViews, ASE Publishing House, Bucharest.
- 8. Tașnadi, A. (2005), Econometrics, ASE Publishing

	House, Bucharest.
Competition procedure	House, Bucharest. The procedure will be in compliance with the Higher Education Law no. 199/2023, with the subsequent amendments and additions, with the Framework methodology for filling vacant teaching and research positions in higher education approved by H.G. no. 1339/2023 and with the Competition Methodology for the filling teaching positions and research positions available in "Constantin Brâncuşi" University of Târgu-Jiu, approved by the Senate of "Constantin Brâncuşi" University of Târgu-Jiu on 13.03.2024. 1. The competition file created by the candidate, together with the electronic support that contains the scanned file, is submitted with the registration number to the address of the higher education institution specified on the competition web page, directly or through postal or courier services that allow confirmation of receipt. 2. The registered file is transmitted and managed at the level of the Legal Department. The candidate has the right to inform himself and check, within the Legal Department of the University, whether the personal file is completely constituted in order to obtain the legality notice. The University has no obligation to contact the candidates to inform them of any problems in the competition file. 3. The scientific commission appointed by the decision of the rector of the "Constantin Brâncusi" University of Târgu-Jiu at the proposal of the Board of Directors, for verifying the information from the Verification sheet of the fulfillment of the standards submitted by the candidate, meets at the request of the Legal Department and issues a resolution regarding the fulfillment/ failure to meet the minimum standards specific to the position, within 3 working days from the end date of registrations. Only published publications with specified volume, number and pages will be taken
	 into consideration. 4. The Legal Department advises on legality based on the resolution from paragraph 3 and other documents necessary to register for the competition. The notice is communicated to the

- candidate within a maximum of 48 hours from its issuance, but at least 5 working days before the first test of the competition.
- 5. The evaluation and verification of the candidate's skills and professional performance in the field of the position put up for competition included in the fulfillment sheet of the specific standards for registration in the competition, is the competence of the selection committee.
- 6. The Rector approves the applications of the candidates who have received the legality notice.
- 7. After the Rector's approval, candidates must be informed no later than 48 hours since the approval, and no less than 5 working days before the first test of the competition.

In the case of a rejection notice, the candidate can appeal the notice within 24 hours to the CBU Board of Directors. The answer is communicated to the candidate within 24 hours of its issuance.

If the candidate is not satisfied with the received answer, he/she can address the University Senate within 24 hours since he/she has received it from the Board of Directors. The University Senate will analyze and communicate the answer within 48 hours from its issuance.

List of documents

In order to take part in the competition, the candidate must supply a detailed file containing the following documents:

- Al. The application form, signed by the candidate, which includes a statement on his own responsibility regarding the veracity of the information presented in the file;
- A2. Proposal of career development of the candidate, both from teaching and scientific point of view; the proposal is drawn up by the candidate, contains a maximum of 10 pages and is one of the main criteria for deciding the tie-breaking of candidates;
- A3. Curriculum vitae of the candidate Europass model (signed on each page). Curriculum vitae of the candidate in electronic format, PDF type, without signature, which under the heading "Personal data" should include only the name, surname and,

optionally, the e-mail address. The candidate assumes that the written and the electronic format contain the same information, except the personal data (address, telephone, e-mail etc.) and the signature, omitted in the electronic document. The CV must include: a) information about the studies carried out and the obtained diplomas; b) information about professional experience and relevant previously held jobs; c) information about the research-development projects and grants that he/she led as project director or in which he/she was active as a member, indicating for each funding source, the amount of funding and the main publications or patents resulting; d) information about awards or other elements recognizing the candidate's scientific contributions; e) other relevant information;

A4. Candidate's list of scientific papers, in printed format (in original, signed on each page) and in electronic format, PDF type, without signature. The candidate assumes that the written and electronic formats contain the same information, except the signature, omitted in the electronic document. The list of scientific papers will be structured as follows: a) the list of a maximum of 10 most relevant scientific papers considered by candidate to be the most relevant to his/her professional achievements, which are also included in electronic format in the application file; b) doctoral thesis or theses; c) books and chapters in books; d) articles/studies, published in journals from the main international scientific flow; e) publications in extenso, in scientific volumes of the main international conferences; f) research-developmentinnovation projects on a contract/grant basis that he/she led as project manager or in which he/she was active as a member, indicating for each the funding source; g) invention patents and other industrial property titles; h) other scientific works and contributions:

It is recommended to mention all the useful information for identifying the publication, such as: title of the journal (including ISSN), rated (Impact Factor for the last year), volume, page, name and place of the publisher, WoS indexed journal hyperlink, WoS

indexed work hyperlink (including the WOS code), BDI indexed journal hyperlink, BDI indexed paper hyperlink indicating the respective Databases, etc.

This information is absolutely necessary for the papers selected by the candidate in point (a) for teaching positions and those that support the candidate's fulfillment of the minimum, CBU and national standards, specific to the professor position;

- A5. The verification sheet of fulfillment for the specific standards of the position, completed and signed by the candidate, in printed format (in original, signed on each page). The verification sheet for the position of full professor is drawn up by each candidate according to the minimum standards provided by the Order of the Minister in force, according to Art. 156 paragraph (1) lit. a) and paragraph (2) of Law no. 199/2023 Higher Education Law, with subsequent amendments and additions, to which are added, as appropriate, the additional standards established by the council of each faculty/the scientific council of the research structure;
- A6. Documents related to holding of the PhD degree (certified copy of the PhD diploma, or, if the PhD diploma is not recognized in Romania, the certified copy of the attestation of its recognition or equivalence);
- **A7. Summary of the doctoral thesis** in Romanian and in a language of international circulation (maximum one page for each language);
- A8. Other diplomas attesting the candidate's studies: copies of other diplomas attesting to the candidate's studies (baccalaureate diploma, bachelor's degree, master's/advanced studies, the certificate attesting the psycho-pedagogical training) or, in case the diplomas are not recognized in Romania, their recognition or equivalence certificates; copies of other diplomas attesting to the candidate's studies. The copies are signed by the candidate for certification "according to the original";
- A9. Transcripts, diploma supplements or school records issued for each study cycle;
- **A10.** Copy of the identity card, certified "according to the original" or, as the case may be, of the passport or

another identity document drawn up for an equivalent purpose to the identity card or passport;

A11. Copies of documents certified by the candidate "according to the original" to show they have changed their name, if applicable (marriage certificate or proof of name change);

A12. Declaration on the candidate's own responsibility that he/she is not in any situation of incompatibility provided for in the Higher Education Law no. 199/2023, with subsequent amendments and additions, and the Framework Methodology issued at the national level;

A13. Criminal record certificate;

A14. Certificate of behavioral integrity;

A15. Medical certificate, stating that he/she is fit to carry out teaching activity, issued on a specific form, adopted by joint order of the Minister of Education and the Minister of Health;

A16. The medical certificate for practicing the teaching profession, issued according to the provisions of the joint order of the Minister of Education and the Minister of Health;

A17. Letters of recommendation in accordance with art. 13 of HG 1339/2023. At least three letters of recommendation from personalities in the respective field from abroad, who have agreed to prepare letters of recommendation regarding the candidate's professional qualities;

A18. Copy of the Minister's Order regarding the granting of the doctoral supervisor qualification or, as the case may be, the copy of the habilitation certificate; A19. Statement of responsibility, in original (handwritten) signed by the candidate. The statement must state the correctness of the data in the file and the fact that it relates to his/her own activities and achievements, otherwise the candidate will bear the consequences of making false statements, in accordance with the legislation in force;

A20. The folder containing a maximum of ten of the candidate's most significant works, in scanned form, on electronic support (CD/DVD/stick/). Books and book chapters will be submitted in physical format. In

	addition, the electronic support will also include
	candidate's list of papers in Word format;
	A21. The payment document of the registration fee
	for the competition;
	A22. Other documents . The file will include a cover
	page and the description. A CD/DVD/stick, with its
	entire content scanned, including the folder with the
	10 significant works, is also attached to the competition
	file, in order to send it to the selection committee. The
	Certificate attesting the psycho-pedagogical training is
	submitted to the application file. If proof of completion
	of the psycho-pedagogical module is not provided, the
	admitted candidate will complete, within 2 years of
	taking up the position, a psycho-pedagogical training
	program for higher education, of 30 ECTS/SECT
	transferable study credits. This obligation will
	constitute a clause of the individual employment
	contract, the contractual relations terminating by law
	on the date of completion of the 2 years. Graduates of
	a psycho-pedagogical training program
	corresponding to a number of 60 ECTS/SECT
	transferable study credits can also register for the
	competition.
Address where the competition file will be	"Constantin Brâncuși" University of Târgu-Jiu, no. 4
sent	Tineretului Street, Târgu-Jiu, Gorj County
Methodology	Upload files doc, .docx or PDF. The maximum
	accepted size of file is 10MB.

Dean, Head of department,
Lecturer PhD. Carina-Elena Stegăroiu Assoc. Prof. PhD. Genu-Alexandru Căruntu