

UNIVERSITATEA "ALEXANDRU IOAN CUZA" din IAȘI PER LIBERTATEM AD VERITATEM

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COURSE OUTLINE

1. Information about the program

1.1 Higher education institution	"Alexandru Ioan Cuza" University of Iaşi
1.2 Faculty	Faculty of Economics and Business Administration
1.4 Department	Management, Marketing and Business Administration
1.5 Field of study	Business Administration
1.6 Cycle of study	bachelor
1.6 Study program / Qualification	Business Administration

2. Information about the course

2.1 Course title		Econometrics					
2.2 Course coordinator		PR	OF.DR. DĂNUŢ JEMNA				
2.3 Seminar coord	inato	r	PR	OF.DR. DĂNUŢ JEMNA			
2.4 Year of study	2	2.5 Semester	3	2.6 Type of evaluation*	М	2.7 Course status**	С

* MT-mid-TERM, O-ORAL EXAM, E-EXAM, M-MIXED; ** C-compulsory/O-optional/E-elective

3. Estimated time allocation (hours per semester and teaching activities)

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3.1 Number of hours per week	4	out of which: 3.2 course	2	3.3 seminar / laboratory	2
3.4 Total number of hours per semester	56	out of which: 3.5 course	28	3.6 seminar / laboratory	28
Time allocation					h
Study based on course book, cour	se ma	aterials, bibliography and ot	her		24
Supplementary study in the library	, on e	lectronic platforms and on t	he fie	ld	9
Preparing seminars/laboratories, a	issign	ments, papers, portfolios ar	nd es	says	24
Tutorship				4	
Examination					4
Other activities					
3.7 Total hours of individual study					40
3.8 Total hours per semester				100	
3.9 Number of credits				4	

4. Prerequisites (if applicable)

4.1 Referring to curriculum	Mathematics, Statistics, Economics
4.2 Referring to competences	

5. Conditions (if applicable)

5.1 For the course	Attendance at classes is recommended.
5.2 For the seminar / laboratory	Attendance at seminaries is mandatory at least 75% of the total



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6. Specific competences accumulated

Professional	 C1. Collection, processing and analysis of information on the external environment interaction-
competencies	enterprise / organization (2 credits) C4. Assistance in human resource management (2 credits)
Transversal competencies	CT3. Identify training opportunities and efficient use of resources and learning techniques for their own development (1 credits)

7. Course objectives (based on specific competencies accumulated)

7.1 General objective	To provide the student the knowledge and skills necessary for the treatment of economic data to assess the relationships between phenomena and to build models that explain the dependence of economic phenomena.
7.2 Specific objectives	 After successfully finalizing this course, students will be able to: Explain the nature of the relationship between economic phenomena using econometric models Describe the economic phenomena analyzed with quantitative methods Utilize econometric method on real economic data using SPSS Analyze the results of econometric modeling and solve real problems with these results Utilize estimated econometric models to estimate various parameters or to calculate estimated values for concrete situations

8. Content

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8.1	Course	Teaching methods	Observations (time and bibliography)
1.	Conceptual and methodological elements	Interactive course, heuristic conversation, problem solving method	4 hours DG(1)
2.	Simple linear regression models	Interactive course, heuristic conversation, problem solving method	6 hours DG(1-5)
3.	Multiple linear regression models	Interactive course, heuristic conversation, problem solving method	6 hours DG(1-5)
4.	Nonlinear models	Interactive course, heuristic conversation, problem solving method	4 hours DG(6)
5.	Testing regression model classical assumptions	Interactive course, heuristic conversation, problem solving method	8 hours DG(10-12)



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Bibliography

Compulsory reading

- Gujarati, D.N. Basic Econometrics, 5-th Edition, McGraw-Hill, 2009 (DG)
- Stowell, S. Using R for Statistics, Apress, 2014 (S)

Optional reading

- Dougherty, C. Introduction to Econometrics, Oxford, 2001 (D)
- Greene, W.H. Econometric Analysis, 4-th ed., Prentice Hall, 2000 (G)
- Maddala, G.S. Introduction to Econometrics, Macmillan, 1992 (M
- J.H. Stock, M.W. Watson Introduction to Econometrics, Pearson International Edition, 2007 (SW)

011, 2007 (311)	
Observations (time and bibliography)	
4 hours 6(1-2), S(1,7)	
2 hours DG (1-2)	
2 hours	
4 hours 6 (2-3), S(11)	
4 hours 6 (4-5), S(11)	
4 hours G (6), S(11)	
2 hour	
4 hours DG (10-12)	
4 6 (2 4 6 (4 4 G (2 4	

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9. Bridging course content with the expectations of the community, professional associations and representative employers in the field of the program

On an annual basis, the course content is discussed with the representatives of the business environment, who hire or could hire graduates from this program, while students are required to provide feedback (online, anonymous) after each semester about the course structure, teaching methods, as well as strengths / weaknesses (after the final evaluation).



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10. Evaluation

Type of activity	10.1 Evaluation criteria	10.2 Evaluation methods	10.3 Allocation to the final grade (%)			
10.4 Course	Theoretical and applied knowledge	Exam (E)	30			
10.5 Seminar/ Laboratory	, applied, production		70 (30) (10) (30)			
10.6 Minimal performance standard						
Obtaining 5 points (out of 10) both for the project and the final assesment test. The minimum grade 5 for the final score.						
Evaluation along the semester and Exam						

Date 09 september 2023 Course coordinator Prof. Danut Jemna, PhD Seminar coordinator Prof. Danut Jemna, PhD

Date of approval in the department 25 september 2023

Head of department Assoc. Prof. Andrei Nestian, PhD