POSTGRADUATE UNIVERSITY DOCTORAL STUDY
"BUSINESS ECONOMICS IN TOURISM AND HOSPITALITY INDUSTRY"

LIST OF COURSES FOR

Course Title	Course coordinators	Year of study	Semester	Total number of teaching hours per semester			ECTS	STATUS
				L	E	S		
Applied econometrics *(course syllabus on second page)*	Josip Tica, PhD, Full Professor Craig A. Depken II, PhD, Full Professor	1.	2.	10	0	5	5	E

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General information		
Course coordinator	**Josip Tica, PhD, Full Professor**	
Co-lecturer	**Craig A. Depken II, PhD, Full Professor**	
Course title	**Applied Econometrics**	
Program	**Postgraduate University Doctoral Study "Business Economics in Tourism and Hospitality Industry"**	
Course status	Elective	
Year of study	1st (first)	
Numerical value and teaching types	ECTS coefficient of students' workload	5
	Teaching hours (Lectures + Exercises + Seminars)	15 (10+0+5)

1. COURSE DESCRIPTION

1.1. Course objectives

The overall aim of the course is to present econometric analytical tools to PhD students with limited prior econometric experience. Students will be capable of identifying appropriate econometric technique given the research question and the available data. Students will be able to differentiate between different econometric models and understand the limitations and pitfalls of each estimator and method. Students will be exposed to basic concepts of epistemological problems such as correlation, causality and exogeneity with a special emphasis on quantitative methods used to solve problems of endogeneity in time series econometrics using OLS; IV, Granger, VAR, ECM and panel data analysis using FE; RE; PLS, FD, treatment, matching analysis and diff-and diff methodology.

1.2. Terms for enrolment

None.

1.3. Expected learning outcomes

Students will be able to understand and elaborate on the basic problems of a quantitative approach to economic research. Students will be able to analyze an economic problem and make a choice of the appropriate methodology used to tackle chosen line of inquiry. Furthermore, students will be able to distinguish between time series and panel data analysis and make individual decisions regarding the collection of secondary data.

1.4. General course outline

Historical development of economic models: comparative static; dynamics and general equilibrium models; Empirical testing of Economic Theory; Correlation, Causality and Exogeneity; Data sources: primary vs. secondary data; Panel data, time series and cross-section data: pros and cons; Time series analysis: OLS, IV, VAR, Granger, ECM, weak exogeneity; Panel data analysis: FE; RE; PLS, FD, treatment, matching analysis and diff-and diff methodology.

1.5. Types of teaching	☒ lectures ☒ seminars and workshops ☐ exercises ☐ distance learning ☐ field work	☒ independent tasks ☐ multimedia and network ☐ lab ☐ mentorship ☐ other _____
1.6. Comments		

1.7. Students' obligations

Regular attendance, data collection, method selection and econometric assessment of selected topics using econometric techniques, written exam.

1.8. Monitoring students' work							
Attendance	0.5	Classroom participation	0.5	Seminar paper		Experimental work	
Written exam	3.5	Oral exam		Essay		Research	0.5
Project		Continuous knowledge assessment		Report		Practical work	
Portfolio		Case study		Mentorship	1		

1.9. Methods and examples of evaluation of the learning outcomes during the course and on the final exam

The learning outcomes assessment procedure is in line with the types of monitoring tools as listed in section 1.8 and in accordance with the UNIRI Rulebook on Studies.

1.10. Compulsory literature

- Veerbeek, M., A Guide to Modern Econometrics, 2012, Wiley
- Grant, D., Methods of Economic Research: Craftsmanship and Credibility in Applied Microeconomics, 2019, Springer

1.11. Supplementary literature

- Wooldridge, J.M., Introductory Econometrics, A Modern Approach, 2018, CENGAGE

1.12. Quality monitoring methods ensuring the students' acquisition of knowledge, skills and competencies.

The quality of program, teaching process, teaching skills and the level of adoption of the course content will be assessed by means of a written evaluation and other means defined by the accepted standards in accordance with the Rulebooks on the system of quality assurance and improvement of UNIRI and FTHM.