NAME OF THE COL	HE COURSE ECONO							
Code	EUE303	Year of study 1.						
Course teacher	prof.dr.sc. Snježana Pivac doc.dr.sc.Tea Šestanović izv. prof. dr. sc. Blanka Škrabić Perić	Credits (ECTS)						
Associate teachers	doc.dr.sc.Tea Šestanović	Type of instr (number of h			S	E 26	F	
Status of the course	Obligatory	Percentage application of		40%				
COURSE DESCRIPTION								
Course objectives	Acquiring knowledge and skills to quantify scientific hypotheses and use of modern econometric methods and models under complex economic reality conditions							
Course enrolment requirements and entry competences required for the course	Course signature requirements are determined by the Statute of the Faculty of Economics in Split and Rules and Regulations for Studies and Study Programmes.							
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>Learning outcome of the subject: To estimate the parameters of an econometric model based on the actual database and to interpret the results obtained.</li> <li>Specific learning outcomes:  1. To formulate (specify) an econometric model 2. To evaluate hypothesis about the existence of problems of multicolinarity, heteroskedasticity and autocorrelation of relation errors 3. To estimate the parameters of the econometric model and its prognostic power 4. To construct (simulate) evaluation of model parameters based on a small number of statistical indicators 5. To identify equations of the econometric model in the form of simultaneous equations system 6. To build the model of applied econometrics for the specific area of economy</li> </ul>							
Course content								
broken down in detail by weekly	Lectures				Exercises			
class schedule (syllabus)	Торіс	Hour s		Topic			Hour s	
	Introduction to Econometr	rics 2	Fundamenta postulates	ntal econometric s			2	
	Specification of the econometrics model	2		ls and techniques of the netrics model specification			2	
	Estimating of the econom model	metric I		nd techniques of the ar econometric model			2	
	Testing of the hypothesis desirable regression parameters characteristic model as the whole	desirable regression			n param about	eters	2	

	Monte Carlo simulation	S	3	Monte Car	lo simulations		3	
	Estimating methods for multiple linear regression model			_	methods and for multiple linear model		2	
	Modeling with specific independent variables			regressor and instrur	al variables. Stochastic sor variables. Approximate strumental variables. ble with mistake.			
	Problem of heteroscedasticity, multicollinarity and autocorrelation of the relation errors			Testing and detection of the multicollinearity problem. Methods for removing multicollinarity Detection and testing of heteroscedasticity problems. Methods for removing heteroscedasticity. Testing and detection of relation errors autocorrelation. Methods of eliminating autocorrelation.			4	
	Econometric model in the form of the simultaneous equations system  Problems and methods of identification and estimation of the simultaneous system equations  Basic applied econometrics postulates			identification	Problems and methods of identification of the simultaneous system equations			
					oice and application of the nultaneous system equations imation			
				methods a specific ar	pplication of econometric nethods and techniques in the pecific areas of the economy			
	Selected applied econometric models		2	Specifications of the econometric models for the concrete practical applications			2	
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and workshops</li> <li>☑ exercises</li> <li>☐ on line in entirety</li> <li>☑ mix e-learning</li> <li>☐ field work</li> </ul>			<ul> <li>independent assignments</li> <li>multimedia</li> <li>laboratory</li> <li>work with mentor</li> <li>(other)</li> </ul>				
Student responsibilities	Students are required to actively participate in classes during lectures and exercises, with the attendance of minimum 50%. Additionally, students' activity will be monitored through self-evaluation quizzes that will be available to students on the course websites within the Moodle platform. In case the student takes less than two self-evaluation quizzes during the semester, the student will be denied a signature. The condition for taking the exam is a signature.							
Screening student work (name the	Class 2	Research	-		Practical training			
proportion of ECTS credits for each activity so that the	Experimental work	Report Seminar			(Other)			
total number of	Essay	essay			(Other)			

ECTS credits is equal to the ECTS	Tests	1,5	Oral exam	1	Self-evalutionatests	0,5
value of the course)	Written exam	1,5	Project		(Other)	
Grading and evaluating student work in class and at the final exam	Exam is written and oral. Positively evaluated written exam is precondition for approaching the oral part of the exam.  * Written exam can be passed through two tests during classes or in regular exam terms. Once the written part of the exam is passed (through tests or in regular exam terms) it is valid through the whole academic year.  During the semester two tests will be organized. Each test brings 20 points. It is considered that a student passed the written exam through tests if he has at least 10 points per each of the two test.  The oral exam starts with extracting three question. It is needed to give correct answer for all three questions. The mark on oral exam is primarily confirmation of the mark from the written exam.  The exam consists of written and oral part.  During the semester two tests will be organized. The condition for taking all the tests is that the student has solved at least one of the self-evaluation quizzes from the part of the material that is evaluated by the test. The test is deemed to be passed if the student correctly and neatly solves and interprets at least 50% of the tasks. Additional condition for accessing the second test is the positively resolved first test. The total score on the written part of the exam is based on the sum of the scores obtained on both tests. Alternatively, students can pass the written exam during the exam period.  * A student who achieves a positive grade from the first and second test, does not have to take the written exam. After successfully passing the written part one can undertake the oral part of the exam.  The final grade is formed as the average score of the written and oral exam.  Key points and appropriate grades for written exam:  0-49 insufficient (1)  50-62 sufficient (2)  63-75 good (3)  76-88 very good (4)  89-100 excellent (5)					
Required literature (available in the library and via other media)		-	Title		Number of copies in the library	Availability via other media
	Wooldridge, J.M A Modern. App Learning	roach, Fif	th Edition. Čen	gage		
	Baum, C.F. (20 Econometrics U	Jsing Stat	a, Stata Press			
	Teachers' hand preparation of r (available on th	mid-term e e Mooodl	exams and fina e).	l exams		Moodle
	Bahovec, V., Elekonometrijsku	-	• •			

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Optional literature (at the time of submission of study programme proposal)	Newbold P. et al.: Statistics for Business and Economics, 9 <sup>th</sup> Ed., Pearson Education, Prentice Hall, Upper Saddle River, NY, 2019. Gujarati D.& Porter C.: Basic Econometrics, 5th Ed., Mc Graw Hill, 2019.
	Articles:
	Aljinović, Z., Šestanović, T., Škrabić Perić, B. (2022) A New Evidence of the Relationship between Cryptocurrencies and other Assets from the COVID- 19
	Crisis, Ekonomický časopis, 70: 7-8 ; str. 603-621 . 10.31577/ekoncas.2022.07-8.03
	Registering students' attendance and success in carrying out of their duties
	(lecturer).
Quality assurance	Monitoring lectures and practice sessions (Vice Dean for Education).
methods that	Students' Performance analysis in each course (Vice Dean for Education).
ensure the acquisition of exit	Student questionnaire on the quality of lecturers and lessons for each course (University of Split, Quality Assurance Centre)
competences	Examination is used as an instrument to evaluate individual course outcomes by the
	course lecturer. The content of exam is reassessed periodically in order to assure compliance with the course outcomes.
Other (as the	The course is taught in Croatian.
proposer wishes to add)	