Identification	Subject	ECON 865 Financial Econometrics – 3KU/6ECTS		
	Department	Economics and Management		
	Program	Graduate		
	Term	Spring Semester 2023		
	Instructor	Rovshan Hajiyev		
	E-mail	rovshan.hajiyev@khazar.org		
	Classroom/hours	ТВА		
	Language	English		
Prerequisites	MGT 800 Applied Bu			
Compulsory/	Compulsory			
Elective	1 5			
Textbooks and	1) Brooks, C. (2020)	Introductory econometrics for finance. 4th edition.		
course materials	Cambridge Univ			
	Additional reading (might be updated):			
	Trainional Fearing (Inghi Se aparea)			
	2) "Basic Econometrics", Damodar Gujarati, Dawn Porter 5th Edition (Will be provided by Instructor during the Class)			
	3) Studenmund, A.H. (2017) Using econometrics a practical guide. 7 th edition.			
	Boston: Pearson. (Will be provided by Instructor during the Class)			
	4) Dougherty, C. (2016) <i>Introduction to econometrics</i> . 5th edition. Oxford: Oxford			
	University Press. (Will be provided by Instructor during the Class)			
	5) Greene, W.H. (2020) <i>Econometric analysis</i> . 8 th edition. Harlow, England:			
	Pearson. (Will be provided by Instructor during the Class)			
	6) Introductory Econometrics: a Modern Approach, Jeffrey M. Wooldridge,			
	(2020) 7 th Edition. (JW) (Will be provided by Instructor during Class)			
	7) Campbell, J.Y., Lo, A.W. and MacKinlay, A.C. (2011) The econometrics of			
	Financial Markets. 2nd edn. New Dehli: New Age International (P) Ltd.,			
	Publ. (Will be provided by Instructor during Class)			
Course Objectives		e of this course is to improve and deepen students'		
	e	etric methodologies, tools and practices of quantitative		
	research in order to develop elementary skills in problem definition, model			
	-	ication of the results of quantitative analysis. Students will		
		e of spreadsheet modeling and management science software		
	and interpretation of th			
Learning	The course covers the tools of financial econometrics and empirical finance, with			
outcomes		n analysis, classical linear regression and advanced time-		
	-	duces econometric modelling of financial prices and		
	volatility, and estimation of some risk measures. Students completing the module			
	will be able to understand and critically appraise the use-fullness and			
		rnative empirical specifications in regression analysis. The		
		quip students with techniques to test hypotheses in linear		
		students acquire skills for future theoretical and empirical		
		ware skills. Theory: Data transformation; Detecting and		
	solving problems of m	isspecification; Goodness-of -fit statistics;		

	Heteroskedasticity; Autocorrelation; Hypothesis testing. Introduction to panel data models; Controlling for unobservable and fixed effects; Individual fixed effects; Common time effects; Instrumental variable estimation. Binary dependent variables. Applications: Relations among variables at both the macro and micro level will be investigated. Relation between economic activity and institutional quality. Effect of education on earnings. Causal relationship among macroeconomics variables.		
Grading System	Methods	Percentage (%)	
	Midterm Exam	30	
	Home Assignments 15		
	Quizzes (2)	5	
	Attendance	5	
	Activity	5	
	Final Exam	35	
	Total	100	
Policy	- Attendance Policy		
	 classes. The proof of reason for unavoidable absence has to be provided by student. In this case, the absence will not be resulted with grade subtraction. Students should come to the classes on time. Late arrival more than 15 minutes will be resulted as absence on the attendance sheet. In case of late arrival, student has to inform Instructor in advance. Class activity in this course: 5% of the final grade will be given for class participation. It is required from students to contribute to the class discussion and actively participate in team works. The quality of contribution will be the main factor not the quantity of contribution. Home Asssignment Group Research report should comprise of the following sections: Introduction Hypothesis development Data Econometric model Estimation result and interpretations Conclusions References Groups shall consist of min 3 and max 4 students. You should hand in group report before the presentations. Presentations shall not be more than 10-14 slides and 15 minutes. More details about the assignment swill provided during the course. Besides this, after the presentation grading. Correct answers will save you from losing. Additional questions may be asked if necessary. Deadline of this group research is due on 14 th week of semester. 		

	conducted on the 11 th Week of semester.					
	Academic Dishonesty					
	Students are expected to conduct themselves in a professional manner. Academic					
	dishonesty such as plagiarism and cheating will not be tolerated. Therefore,					
		students are expected to be honest and ethical in their academic work. Cases of academic dishonesty will be immediately reported to the Director's office for				
	disciplinary action. Office Hours The instructor will be available to consult with students regarding class related questions regularly by appointment. Meetings with students outside office hours					
	should be scheduled in advance by sending an e	e-mail to the instructor.				
	Tentative Schedule					
Week	Topics	Textbook/Chapters				
1	A Brief Overview of the Classical Linear	Chapter 3				
	Regression Model	-				
2	Ordinary Least Squares	Chapter 3				
3	Further Development and Analysis of the	Chapter 4				
	Classical Linear Regression Model					
4	The Classical Model	Chapter 4				
5	Classical Linear Regression Model	Chapter 5				
	Assumptions and Diagnostic Tests					
	Quiz-1					
6	Specification: Choosing the Independent	Chapter 5				
	Variables					
7	Limited Dependent Variable Models	Chapter 12				
8	Midterm-exam	Chapter 8				
	Multicollinearity					
9	Serial Correlation	Chapter 8				
10	Heteroskedasticity	Chapter 9				
11	Time-Series Models	Chapter 9				
	Quiz-2					
12	Dummy Dependent Variable Techniques	Chapter 7				
13	Simultaneous Equations	Chapter 7				
14	Forecasting	Chapter 6				
15	Review Class					
	Univariate Time-Series Modelling and Chapter 6					
	Forecasting					
	Final-exam					