UNIVERSITY
OF ECONOMICS AND HUMAN SCIENCES
IN WARSAW

Field of study:

Finance and Accounting

Subject: Econometrics

Level of study: undergraduate studies
System of study: Full-time
Profile of studies: general academic
Subject: Econometrics

Form of classes and the ECTS points

	Number of hours	ECTS points	Credit
lectures	30		exam
exercises	24		credit with mark
Total	54	7	

Aims of teaching

Familiarizing students with econometrics (including assumptions and purposes of econometric modelling, model verification, forecasting and given non-linear models).

Intended learning outcomes

KNOWLEDGE		
SYMBOL	**DESCRIPTION**	**REFERENCE TO THE PROFILE OUTCOME**
P_W1	Student understands the basic notions of econometrics.	FiR_WG07_Lic
P_W2	Student understands the assumptions of regression model and their meaning.	FiR_WG07_Lic
P_W3	Student understands the differences between given model specifications.	FiR_WG07_Lic
P_W4	Student understands the meaning of regression results.	FiR_WG07_Lic

SKILLS		
SYMBOL	**DESCRIPTION**	**REFERENCE TO THE PROFILE OUTCOME**
P_U1	Student provides interpretation of regression results.	FiR_UW05_Lic
P_U2	Student provides interpretation of test results.	FiR_UW05_Lic
P_U3	Student constructs and verifies regression models.	FiR_UW05_Lic
P_U4	Student analyses the dependence of variables using regression approach.	FiR_UW05_Lic

SOCIAL COMPETENCES		
SYMBOL	**DESCRIPTION**	**REFERENCE TO THE PROFILE OUTCOME**
P_K1	Student can critically assess the data and analysis results provided to him/her, is prepared for further studies in quantitative methods.	FiR_KK01_Lic FiR_KK03_Lic

Course content

NUMBER	DESCRIPTION	FORM OF CLASSES	NUMBER OF HOURS
1	Introduction to econometrics. General idea, types of data, basic notions.	lectures	1 / 1

NUMBER	DESCRIPTION	FORM OF CLASSES	NUMBER OF HOURS
2	Ordinary Least Squares (OLS) estimator.	lectures exercises	2 / 4 2 / 4
3	Ordinary Least Squares (OLS) - results significance and estimate interpretation.	lectures exercises	3 / 6 3 / 6
4	Ordinary Least Squares (OLS) - assumptions.	lectures exercises	3 / 6 3 / 6
5	Different specifications - linear and non-linear. Testing for a proper specification.	lectures exercises	6 / 10 4 / 10
6	Model quality assessment.	lectures exercises	3 / 5 2 / 5
7	Binary and dummy variables.	lectures exercises	2 / 3 1 / 3
8	Forecasting. Assumptions and assessment of model quality with regard to forecasting.	lectures exercises	2 / 5 3 / 5
9	Estimating non-linear models.	lectures exercises	5 / 8 3 / 8
10	Binary dependent variable - logit models.	lectures exercises	3 / 6 3 / 6

Conditions of completion

LECTURES

TYPE OF CREDIT	CREDIT INFLUENCE (IN %)
Exam (for the lecturers only)	100

EXERCISES

TYPE OF CREDIT	CREDIT INFLUENCE (IN %)
Class work	100

Teaching methods

- case studies
- exercises
- groupworks
- lectures

Reading (compulsory)

- Jeffrey M. Wooldridge. Introductory Econometrics: A Modern Approach 2009

Reading (additional)

- Hamid Seddighi, K. A. Lawler, Kevin Lawler, Anastasios V. Katos. Econometrics: A Practical Approach 2000
- Peter Kennedy. A Guide to Econometrics 2003

Odniesienie efektów przedmiotowych do efektów kierunkowych, treści kształcenia, metod weryfikacji

SYMBOL	REFERENCE OF A GIVEN OUTCOME TO THE PROFILE OUTCOME	REFERENCE OF A GIVEN OUTCOME TO THE COURSE CONTENT	REFERENCE OF A GIVEN OUTCOME TO THE VERIFICATION METHODS
KNOWLEDGE			
P_W1	FiR_WG07_Lic	1 2 3 4 6 7 8 9 10	Ability to work in the team and hold discussion Activity during the lectures and exercises case study analysis during the class work exam
P_W2	FiR_WG07_Lic	3 4 6 7 8 9 10	Ability to work in the team and hold discussion Activity during the lectures and exercises case study analysis during the class work exam
P_W3	FiR_WG07_Lic	5 6 8 9 10	Ability to work in the team and hold discussion Activity during the lectures and exercises case study analysis during the class work exam
P_W4	FiR_WG07_Lic	2 3 5 6 7 8 9 10	Ability to work in the team and hold discussion Activity during the lectures and exercises case study analysis during the class work exam
SYMBOL	REFERENCE OF A GIVEN OUTCOME TO THE PROFILE OUTCOME	REFERENCE OF A GIVEN OUTCOME TO THE COURSE CONTENT	REFERENCE OF A GIVEN OUTCOME TO THE VERIFICATION METHODS
SKILLS			
P_U1	FiR_UW05_Lic	2 3 5 6 7 8 9 10	Ability to work in the team and hold discussion Activity during the lectures and exercises case study analysis during the class work exam

SYMBOL	REFERENCE OF A GIVEN OUTCOME TO THE PROFILE OUTCOME	REFERENCE OF A GIVEN OUTCOME TO THE COURSE CONTENT	REFERENCE OF A GIVEN OUTCOME TO THE VERIFICATION METHODS
SKILLS			
P_U2	FiR_UW05_Lic	3 4 5 6 7 8 9 10	Ability to work in the team and hold discussion Activity during the lectures and exercises case study analysis during the class work exam
P_U3	FiR_UW05_Lic	2 3 4 5 6 7 8 9 10	Ability to work in the team and hold discussion Activity during the lectures and exercises case study analysis during the class work exam
P_U4	FiR_UW05_Lic	1 2 3 4 5 6 7 8 9 10	Ability to work in the team and hold discussion Activity during the lectures and exercises case study analysis during the class work exam
SYMBOL	REFERENCE OF A GIVEN OUTCOME TO THE PROFILE OUTCOME	REFERENCE OF A GIVEN OUTCOME TO THE COURSE CONTENT	REFERENCE OF A GIVEN OUTCOME TO THE VERIFICATION METHODS
SOCIAL COMPETENCES			
P_K1	FiR_KK01_Lic FiR_KK03_Lic	1 2 3 4 5 6 7 8 9 10	Ability to work in the team and hold discussion Activity during the lectures and exercises case study analysis during the class work exam