Course programme 2020/2021

undergraduate studies

graduate studies

Course ID		Fall Semester	Language of the course: English

Course title:	Forecasting economic processes
Course title in Polish:	Prognozowanie procesów ekonomicznych

Total course hours:	45.00	ECTS	6

Lecturer:	Paweł Piątkowski, Ph.D.
Prerequisite(s):	None

I. Course description

The course is an extension of Econometrics course. Students are expected to be able to collect data from different resources of economic data. Next, students are expected to analyse data and then to choose proper methods to forecast basing on it. Students know different methods of forecasting and are able to interpret forecasts.
Methods: lectures with use of power point presentation and discussion; classes based on excercises solved in Excel and use of public databases with economic data.

II. Course objectives

The objective of the course is to give students the ability of: The aim of the course is to prepare students to predict economic variables. Students will be able to collect data, analyse it, choose proper method of forecasting, prepare forecast and evaluate it.

III. Knowledge, skills acquisition

Topic – content summary	Knowledge, Skills
Introduction to forecasting. Organization of forecasting process.	Students know what is forecasting and how to organize
Collecting and analysing data.	Students know how to find and analyse data.
Forecasting based on time serieses (naive methods, moving average, exponential smoothing)	Students are able to make simple short term forecasts.
Forecasting based on time serieses (tendency models, periodical methods, ARMA and ARIMA)	Students are able to make more advanced and long term forecasts.
Qualitative methods of forecasting.	Students are able to prepare qualitive methods.
Forecasting with econometric model.	Students are able to prepare cause and effect models.

IV. Assessment

Classes: based on excercises solved during classes and colloquium.
Lectures: based on final exam (test).

Date: 10/04/2020

Lecturer signature : Paweł Piątkowski

Zofia Karczewska