Title of Course	**Modeling and forecasting of economic processes**		
Semester	Spring/Winter		
Teaching Hours per Course:	**Total**	**- Lectures:**	**- Tutorials:**
	30	15	15
ECTS Credits	5		
The content of education			
Aims of Course	The aim of the course is to familiarize with quantitative methods allowing to predict economic phenomena.		
Program	I.Basic issues: - Definitions of basic concepts, - Types of forecasts, - Stages of forecasting process - Principles of quantitative forecasting, - Methods of forecasting, - Assessment of the accuracy of forecasts, - The role of forecasts in economy II. Statistical data in the forecasting process III. Application of single equation econometric model to forecasting - Evaluation model for suitability in the forecasting process, IV. Forecasting based on time series: - Components of time series - time series models, - Naive method, - Moving average method, - Exponential smoothing (Brown's method, Holt and Winters) - Trend models, - Models with periodic component		
Conditions of completion	Test, research project		
Teacher	dr Katarzyna Osiecka		