Technological Predictions Course

Name of the subject: **Technological Predictions - MSc**	*SUBJECT code:*	Weekly hours: 2 lecture + 2 practical work	Credit: 8 ECTS
Subject leader: Nenad Milijić	*Academic Degree:* Assistant Professor	Prerequisites: Previous knowledge in the subject Managing new technologies and Strategic management	

Purpose Familiarizing students with the fundamentals, methods and techniques of forecasting in the field of technology development, market mobility and other tendencies as an indispensable aspect of manager activities.

Course description: Defining the goal of technological forecasting, method selection – techniques for conducting forecasting, parameter selection and input data collection, estimation of the effect of external factors on the probability of the realization of forecasts, interpretation of the conducted analysis.

Schedule

Weeks	Topics
1.	Introduction to technological forecasting
2.	Basic concepts and definitions
3.	Exploratory approach to forecasting
4.	Normative approach to forecasting
5.	Selecting the method of forecasting
6.	Parameter selection and forecasting data collection
7.	Brainstorming
8.	DELPFI
9.	Morphological analysis
10.	Trend extrapolation
11.	Relevance tree
12.	PATTERN method
13.	AHP
14.	Interpretation of prognosis

Final grade: lecture 5, practical work 5, colloquium 20, seminar paper 10, written exam 30, oral exam 30 (marks: 51-6, 61-7, 71-8, 81-9, 91-10)

Compulsory literature: Martino, J.P., Technological Forecasting for Decision Making, MeGraw-Hill, Ine., Thirt Edition, New York, USA, 1993.

Supplemental literature*:* Linstone, H.A, Turoff, M., The Delphi Method - Techniques and Applications, University of Southern California, USA, 2008.