

Erasmus+ Virtual Visiting Professors

Erasmus+ Strategic Partnerships for Higher Education: 2020-1-CZ01-KA226_HE-094462

Course Syllabus

Course Title:	Managerial Decision-Making
Teaching	2 hours of lectures + 2 hours of seminars
hours:	
General	The main objective of the course: to get acquainted with rational procedures
objective:	for solving decision-making problems, to master the basic methods and tools
-	of decision-making for certainties, risks and uncertainties, to manage risk
	management procedures, to gain knowledge about choosing a suitable
	decision-making style, to acquire acquired theoretical knowledge in solving
	decision-making problems from company practice.
Topics:	
1	Basic concepts and knowledge of decision-making – decision process
	and its steps, types of decision-making processes, optimization and
	satisfaction principles, decision quality, information in decision-making
2	RISK and uncertainty in decision-making – subjective probability, risk
3	Tools. methods and processes of decision making under certainty –
-	identification, analysis and formulation of decision problems, selection
	criteria, creating alternatives and determining their consequences, evaluation
	of alternatives
4	Problem solving – finding the causes of problems, systematic approaches,
5	Methods of decision-making analysis – structure of problems, goals and
_	criteria, transformation of goals into criteria; factors influencing the choice of
	methods
6	Methods of creation and development of alternatives – systematic and
7	creative methods Multicritoria evaluation methods beuristics conversion bridges: Simple
,	methods for determining the value of alternatives; multicriteria utility function.
	pairwise comparison, compensation method
8	Methods and tools of risk decision making: decision matrix –
0	construction, advantages, limitation, usability
9	scenarios – construction, advantages, limitation, usability
10	Methods and tools of risk decision making: decision trees –
	construction, advantages, limitation, usability
11	Methods and tools of risk decision making: simulation Monte Carlo –
10	construction, advantages, limitation, usability
12	Participatory decision-making and choice of decision style –
10	participation rate and style of decision-making, participatory influence,
	participative decision process management, decision-making models
14	Risk management – identification of risk factors and determination of their
l	significance, risk assessment, risk mitigation, operational risk management





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