

Prerequisite status: -	Unit Type: Theoretical/practical	The number of units: 2	Name of the lesson: Decision-making models and future research in tourism planning
Type of additional practical training: Has it <input checked="" type="checkbox"/> does not have <input type="checkbox"/> Science travel <input type="checkbox"/> Laboratory <input type="checkbox"/> Workshop <input checked="" type="checkbox"/> Seminar <input type="checkbox"/>		The number of hours: 48	Expert professor to teach: Geographer specializing in tourism
Goals: Knowing and applying various methods and techniques of decision-making and future research in tourism planning			
Headlines 1- Explaining the concept of decision making and its application in tourism planning 2- Classification and description of decision-making methods and models 3- Explaining the indexing process in the decision-making problem 4- Standardization methods in the decision-making process ◦- Index weighting methods (Ranking methods, grading, entropy, ANP ,AHP) 6- Simple weighted sum method SAW 7- A ranking technique based on similarity to ideal solution TOPSIS 8- Analytical Hierarchy Process Method AHP 9- The method of the collective agreement and having opposite criteria VIKOR 10- The method of organizing to the preferred ranking for better evaluation PROMETHEE 11- Test and evaluation method DEMATEL 12- COPRAS Method ۱۳- Methods and techniques of multi-indicator decision-making based on fuzzy logic (FVIKOR ,TOPSIS-FUZZY, FPROMETHEE) 14- Presuppositions and future research approaches in tourism planning 15- Future research methods (future surveillance methods, Delphi, Analysis of trends, Analysis of engines, scenario planning, vision, Road map, hindsight, Modeling, simulation, and a combination of the above methods) 16- The application of Mic Mak and Scenario Wizard software in tourism planning			
Reference 1- Portahari, Mehdi (2015): Application of multi-indicator decision-making methods in geography, Samt Publications 2- Hajinejad, Ali, Fatahi, Ahadollah, Paydar, Abuzar (2016); Application of decision-making models			

and techniques in geography with an emphasis on rural, urban, and tourism planning, Jahad University Publications.

3- Bajio, Rudolph and Klabes, John (2014) Application of quantitative methods in the tourism industry, translator: Reza Mokhtari Malekabadi, Isfahan University Jahad

4- Ali Abdulzadeh, Mirnajaf Mousavi, Mehdi Ahmadian, Afshar Kabiri (2013); Multi-indicator decision-making methods in tourism planning; Arad book publication

5- Keramatullah Ziari, Kobra Sork Kamal (2016), Tourism Planning Techniques, Tehran University Publications

6- Keramatullah Ziari, Taha Rabbani (2018); Future research: a new paradigm in planning with an emphasis on urban and regional planning (basics, concepts, approaches, and methods); Tehran University Publications.

۷- Kahraman, Cengiz (۲۰۰۸); Fuzzy Multi-Criteria Decision Making: Theory and Applications with Recent Developments; Springer.

8- Zhang, G., Lu, J. and Gao, Y. (2015); Multi-level decision making: models, methods and applications, Springer.