

Prerequisite status: -	Unit Type: Basic - Theoretical	The number of units: 2	Name of the lesson: Pathology of urban development in Iran
Type of additional practical training: Has it <input type="checkbox"/> does not have <input checked="" type="checkbox"/> Science travel <input type="checkbox"/> Laboratory <input type="checkbox"/> Workshop <input type="checkbox"/> , Seminar <input type="checkbox"/>		The number of hours: 32	
Goals: Acquaintance of students with various issues, problems, dilemmas, and challenges caused by the unbridled growth of cities, migrations, and the uncontrollable growth of the urban population in Iran and improving students' ability to find the roots of modern urban challenges.			
Headlines 1- Conceptualization and ways to identify issues and challenges of urban development. 2- Classification patterns of urban development issues and challenges. 3- Natural challenges (geological, physiographic, climatic, hydrological, etc.). 4- Physical development pattern of the city and natural environment. 5- Land use pattern and environmental damage. 6- Climate change and urban challenges. 7- Environmental hazards and urban damage (earthquake, flood, fire, etc.). 8- City and medical and psychological injuries (emphasizing infectious and pandemic diseases). 9- Social damage caused by weak social capital and inequality in the quality of life. 10- Pathology of Iranian cities in the process of globalization. 11- Damages and challenges caused by urban economy and commodification of space, poverty, and corruption. 12- Informal settlements. 13- Polarization of urban spaces and vandalism. 14- The virtual world and future studies of urban challenges caused by it. 15- Urban challenges and passive defense. 16- Management challenges, insufficiency of laws, rules, and regulations, and legal bottlenecks in the city. 17- Summary, strategies, policies, and operational solutions.			
Reference 1- Uzi, Ramezan (2011) Geography of hazards (human and natural hazards), translated by Mohammad Zahiri, University of Tabriz. 2- Davenhall, Bill (2015) Medical geography (geography and individual health), translated by Sohrab			

Amirian, Selected publication.

3- Darvishi Golshan, Youssef (2016) Urban Pathology, Selected Publication.

4- Rahmani, Mohammad Taghi, Urban Planning in Iran, Samt, 2013.

5- Reis Dana, Fariborz (2001) Investigations in Social Pathology of Iran, University of Welfare and Rehabilitation Sciences, Tehran.

6- Selinos, Oleh, et al. (2018) Medical geology: a regional survey, translated by Issa Metaji Amirrouid et al., Talab publication.

7- Saberi, Atieh Sadat (2020) Iran's Medical Geography (Development Perspective), Chashmandaz Qutb Publications.

8- Anabestani, Ali Akbar; Kharazmi, Omid Ali (6698) Challenges and opportunities for the rural settlements of Mashhad Metropolitan Area, Shahrara Publishing.

9- Fani, Zohra (2014) studies and contemporary urban geography (fundamental concepts and perspectives), Samt publications.

10- Report of the United Nations Human Settlements Program (2019) methods of assessing urban resilience, translated by Sirvan Bahrami et al., Research Associate Publications.

11- Majid Ghamami (2008) about the issues of urban planning in Iran today, Agah Publications, Tehran.

12- Mousavi Ayatollahi, Seyed Amin, et al. (2015) Geographical Pathology of Iran, Megstan Publishing.

13- Mirhai, Mohammad; Khodaei, Zahra; Hataminejad, Hossein (2013) Informal settlement in the world and Iran, Academic Jihad, Kharazmi Unit.

14- Harvey, David (2017) From Right to City to Rebel Cities, translated by Khosravi Kalantari and Parviz Sedaghat, Aghah Publishing.

15- Hoshur, Zardasht (2002) Geographical Pathology of Iran: Principles and Basics (Volume 6), Academic Jihad (Ferdowsi University of Mashhad).

16- Chu, E. K., Hughes, S., Mason, S. G., (2017). Climate change in cities: Innovations in multilevel governance, Springer.

17- Gatzweiler, F. W. et al., (2017). Advancing Health and Wellbeing in the Changing Urban Environment: Implementing a Systems Approach, Springer.

18- Koester, S., Moritz, R., Zuo, J., (2019). Urban Water Management for Future Cities: Technical and Institutional Aspects from Chinese and German Perspective. Springer.

19- Kabisch, S., (2018). Urban Transformations: Sustainable Urban Development Through Resource Efficiency, Quality of Life and Resilience. Springer.

20- Novotny, V., Ahern, J., Brown, P., (2010). Water Centric Sustainable Communities: Planning, Retrofitting, and Building the Next Urban Environment. Wiley.