

Prerequisite status: -	Unit Type: Basic- theoretical/practical	The number of units: 2	Name of the lesson: Spatial analysis of public policies using GIS
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: Gis specialist familiar with political geography
Goals: Gaining skills in the use of GIS software in the spatial analysis of political phenomena and public policies			
Headlines 1- An overview of the history of geographic information system 2- Definitions related to geographic information system 3- Components and elements of geographic information system 4- Types of data in geographic information system. 5- Definition and differences of geographic information system photo and map, 6- Application of GPS in geographic information system, 7- Geomatics and its applications in spatial analysis of political phenomena 8- The use of geographic information system in spatial analysis of public policies 9- Familiarity with carto politics and its relationship with geographic information system 10- Analysis of information layers related to political geography in geographic information system 11- Familiarity with data classification in the spatial analysis of political phenomena, 12- The use of geographic information systems in the analysis of voting patterns and elections, political divisions of space, country and city divisions 13- Application of geographic information system in spatial planning and location, geopolitical spatial constructions, regional and global systems and organizations. 14- The use of geographic information system in modeling spatial theories of political geography 15- The use of maps and geographic information systems in political geography theories 16- Familiarity with the preparation and production of analytical maps of political phenomena using quantitative and qualitative data in the geographic information system			
Reference 1- Khosravi, Yunes, Jabari, Mohammad Kazem, 2015, Basics of Geographical Information Systems, Azar Kalk Publications, Tehran. 2- Hosseinzadeh, Seyed Reza, Bidkhor, Alireza, 2013, Geographic Information Systems, Basics and Training of ArcGIS Software, Mashhad Academic Jahad Publications, Mashhad			

- 3- Azimi Hosseini, Mohammad, Nazari Far, Mohammad Hadi, Momeni, Rezvaneh, 2013, The use of Gis in locating, Mehregan Qalam Publications
- 4- R. W. Greene (2000), GIS in Public Policy: Using Geographic Information for More Effective Government, ESRI