

Prerequisite status: -	Unit Type: Theoretical	The number of units: 2	Name of the lesson: Evaluation of ecological capacity in rural 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: 32	Expert professor to teach: Rural planning geographer
Goals: Acquaintance students with methods and techniques for evaluating the ecological potential of the land in rural planning			
Headlines 1- The place and application of ecological capacity assessment in rural planning 2- Definition of the concepts and background of studies on the assessment of ecological power 3- Approaches, theories, and policies to evaluate ecological power 4- The principles of evaluating rural production resources (capacity of resources, sustainability of resources); Hazards, reduction, and erosion of resources about the economy of rural areas. 5- The necessity of an integrated approach to ecological resources in rural areas 6- Classification of ecosystems, resources, and ecological data in rural areas 7- Methods of collecting and collecting ecological data in rural areas 8- The application of remote sensing and geographic information system in evaluating ecological potential in rural areas 9- Methods and models for evaluating the ecological potential in rural areas (evaluating range capacity, ecological models of agriculture, water, soil, tourism...) 10- principles of management and control of rural production resources; Analysis of the vulnerability of resources, protection of environmental resources of agricultural production, Inventory of resources and environmental hazards, material balance model 11- Global and national experiences of ecological power in rural planning 12- Conducting ecological capacity assessment in a rural area			
Reference 1- Makhdoom, Majid, 2012, The foundation of Spatial planning, Tehran University Press 2- Dashti, Solmaz, Seyyed Masoud Monavari, Seyed Abulqasem Mirhossein, Gholamreza Sabz Qobaei, 2017, book on environmental capacity assessment for tourism, Azad University 3- Ebrahimzadeh, Isa and Miranjaf Mousavi, 2015, Principles and Basics of Spatial planning, Samt Organization 4- Brian D. Fath, Sven Erik Jorgensen, 2020, Environmental Management Handbook, Second Edition, Routledge			

5- Sven Erik Jorgensen, 2011, Handbook of Ecological Models used in Ecosystem and Environmental Management, Routledge