

Prerequisite status: -	Unit Type: Theoretical	The number of units: 2	Name of the lesson: Research theories and methods in climatology
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 type="checkbox"/> , Seminar <input type="checkbox"/>		The number of hours: 32	Expert professor to teach: climatologist
Goals: Acquaintance of students with research methods in climatology			
Headlines 1- Philosophical and scientific theories in the field of climatology 2- Methodology and analysis (Analysis based on models, inductive analysis, image analysis, Political analysis, hypothetical analysis, Interpretive analysis, human and civil analysis) 3- Types of natural environment research, descriptive, regional, modeling, problem-solving 4- The question of research and making a hypothesis 5- Methodology and research in climatology 6- Identification of data sources, collection, and extraction 7- Knowing and using data sorting and screening methods 8- Using software programs and hardware 9- Summarizing, concluding, compiling, and presenting the research 10- Writing and organizing articles and dissertations Practical works: preparation of research plan			
Reference 1- Alijani, Bohlul, 2019, Quantitative Methodology in Geography, Samt Publications. 2- Asakareh, Hossein, 2017, Basics of Research in Climatology, Zanzan University Publications. 3- Parsons, T and P, J, Knight, 2009, Dissertation writing method in geography and related sciences, translated by Hossein Mohammadi, Tehran University Press. 4- Hafez Niya, Mohammad Reza, 1995 research methods in human sciences, Samt Publications.			