

Prerequisite status: -	Unit Type: Theoretical	The number of units: 2	Name of the lesson: Analysis of pressure patterns and air flows
Type of additional practical training: Has it <input 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: Ph.D. in climate
Goals: Acquaintance of students with pressure patterns in different climate belts			
Headlines 1- Definition of pressure patterns and systems 2- Air Brigade 3- Air currents 4- Methods of identifying pressure patterns 5- Pressure systems in the tropical region 6- Extratropical pressure systems 7- Pressure systems in the subtropical region 8- Polar Vertex 9- Interference between different belt pressure systems 10- Temporal and spatial changes of systems and pressure belts 11- Air currents in climatic belts			
Reference 1- Alijani, Bohlul, and Mohammad Reza, Kaviani, 2007, Basics of Climatology, Samt Publications 2- Alijani, Bohlul, 2002, Synoptic Climatology, Samt Publications. 3- Escoro, Giselle, 1996, Practical Climatology, translated by Shahriar Khalidi, Qomes Publications 4- Lackmannuthor Gary, Brian E. Mapes , Kevin R. Tyle , 2017, Synoptic- Dynamic Meteorology Lab Manual: Visual Exercises to Complement Midlatitude Synoptic Meteorology, American Meteorological Society 5- Andrew M. Carleton, 2013, Synoptic and Dynamic Climatology, Routledge.			