

Prerequisite status: -	Unit Type: Theoretical	The number of units: 2	Name of the lesson: Remote connection and feedback of atmosphere and ocean
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: Ph.D. in climate
Goals: Acquaintance of students with remote connection and feedback of atmosphere and ocean with emphasis on Iran			
Headlines 1- Introduction: What is the definition of the general circulation of the atmosphere, remote connection? 2- Introduction and examination of grafting compulsions from around the world: ENSO, PDO index, MJO signal, AMO index. 3- Introduction and examination of regional link requirements: IOD index, NCP, NAO, CACO index 4- Study methods: Statistical methods - classic synoptic, multivariable, and advanced statistical methods, Dynamic methods - basic model 5- Global modeling of remote attachment forcing and causal analysis of its physical mechanisms 6- Synoptic analysis of trends, climate change, climate hazards, and atmospheric forecasting using remote link forcing 7- Indexing of regional and local obligations 8- The effect of a remote link on rainfall in Iran			
Reference 1- Barry Roger Graham, 2017, Atmosphere, Weather and Climate, translated by Asadollah Khorani, Hormozgan University Press. 2- Alijani, Bohlul, 2002, Synoptic Climatology, Samt Publications. 3- Roberto Suárez Moreno, 2018, Interdecadal Changes in Ocean Teleconnections with the Sahel: Implications in Rainfall Predictability, Springer. 4- Howard A. Bridgman, John E. Oliver, 2014, The Global Climate System: Patterns, Processes, and Teleconnections, Cambridge University Press. 5- Glantz Michael H., 2016, El Niño, The World & I Online.			