

Prerequisite status: -	Unit Type: Theoretical	The number of units: 2	Name of the lesson: Geomorphology and surface sediments
Type of additional practical training: Has it <input type="checkbox"/> does not have <input type="checkbox"/> Science travel <input type="checkbox"/> Laboratory <input checked="" type="checkbox"/> Workshop <input checked="" type="checkbox"/> Seminar <input type="checkbox"/>		The number of hours: 32	
Goals: Familiarizing students with surface sediments and geomorphological perspectives			
Headlines 1- Production of sediment on the surface of the earth (weathering and production of organic and chemical sediments) 2- Principles of fluid flows, sediment transport, erosion, and deposition 3- Investigating erosion and sedimentary environments, sedimentary processes, 4- Sedimentary structures and sedimentary mineralogy, 5- Composition of chemical and organic sediments 6- Alluvial cones, sedimentary plains, and rivers, 7- Lake sediments 8- Sediments of shallow sea shores, 9- sediments of dry areas and playas, 10- glacial and near-glacial sediments			
Reference 1- Abdul Hossein Amini and Seyyed Mohammad Zamanzadeh, 2012, Analytical Sedimentology, translated by academic publications 2- Manijeh Qahrodi Tali, Rasul Hossni Qaranai, 2016, Glacial Evidences in Northwest Iran and the Pleistocene Period in Kurdistan, Jahad Academic Publications 3- Ranjbaran, Mohsen, Mohammad Lankarani and Seyed Mohammad Zamanzadeh, 2012, Applied Mineralogy, Tehran University Press 4- Wright Jr, H.E. (1962). Pleistocene glaciation in Kurdistan. 5- Earth Surface Processes, Landforms Sediment Deposits, 2008, JAOHN Bridge, Cambridge ninersity Press. 6- Philip A. Allen, Sediment Routing Systems, The Fate of Sediment from Source to Sink, 2017, Cambridge University Press.			