

- Students will understand how to analyze low and high flow and the variability surrounding these terms
- Students will be familiar with different types of drought

Unit 11

- Students will understand the concept of resilience and how this applies to the concept of land use change
- Students will be familiar with the concept of a positive feedback
- Students will be familiar with the concept of stable states and bistability
- Students will understand the controls of vegetation on key hydrologic processes
- Students will understand how deforestation can affect different aspects of the hydrologic cycle

Unit 13

- Students will understand the essential components of conducting a hydrologic study
- Students will know how to write a technical report for their hydrologic study
- Students will be able to find precipitation data for a station close to them and interpret this data by plotting it graphically
- Students will be able to find stream flow data, graph this data and calculate annual discharge from their streamflow data
- Students will be able to estimate actual ET using the water balance equation
- Students will be able to find data to create a flow duration curve from a gaging station that is close to them