

**3843**

**Hydrology I.**

Prerequisites: CHEM 1414 or 1515, ENSC 3233, PHYS 2014. Basic principles of surface groundwater hydrology and their application in engineering problems. The hydrologic cycle, weather and hydrology, precipitation, evaporation, transpiration, subsurface waters, stream flow hydrographs, hydrologic and hydraulic stream routing, probability of hydrologic events, application of hydrologic models.