

CEE 7701: Aquatic Chem Environ EGR

Chemical kinetics; equilibrium analyses of water solutions incorporating solubility, ionization, acid-base, redox, and complexation considerations; use of graphical procedures to analyze complex mixtures; and, applications including pC-pH diagrams of the carbonate system, chemistry of iron and aluminum coagulants, alkalinity and acidity of natural waters, and metal complexation by organic ligands.

Prerequisite: One year of undergraduate chemistry.

Credits: 3.0