

## 0404382 Environmental Chemistry

(3 Credit hours, Prerequisite: 0404223 + 0404226)

The application of principles of chemical equilibrium and chemical kinetics to air and water quality. Chemistry topics are thermodynamics, kinetics, acid/base chemistry, complexation, precipitation, dissolution, and oxidation/reduction. Specific applications include batch reactors, alkalinity, acidity, buffers, the carbonate system, solubility, water stability, corrosion, and disinfectants.