COURSE DESCRIPTION (PREREQUISITES INCLUDED):
Sem. 1, Class 3, cr. 3. Prerequisite: ABE 210 or equivalent.
Basic concepts of thermodynamic energy and entropy functions applied to food and biological systems. Equations of state, phase rule, non-ideality, fugacity, activity models, vapor-liquid equilibria, colligative properties, osmotic pressure, ionic solutions, active transport, ATP cycle, characterization of macromolecules, chemical reaction equilibria.