

## CH365 CHEMICAL ENGINEERING THERMODYNAMICS

**Lesson 36:** Fugacity and Fugacity Coefficients: Species in Solution

**Read:** Section 10.6, pp. 382-388

**Problems:** 10.21

**Objectives:**

1. Express vapor-liquid phase equilibrium for pure substances in terms of fugacity.
2. Modify vapor-liquid equilibrium equation (Raoult's Law) to account for activity coefficients and fugacity.
3. Estimate fugacity of liquids with the Poynting equation.

**Notes:**