CM2120 Fundamentals of Chemical Engineering 2
Department of Chemical Engineering
Michigan Technological University

Homework 6
Due 27 March 2009

1. **Bubble Point (10 points)**
Wankat Problem D6 (in Chapter 6)

2. **Multicomponent Separations Fundamentals (10 points)**
Wankat Problem D7 (in Chapter 6)

3. **Complex Separations (20 points)**
Wankat Problem D1 (in Chapter 8). Use the fact that S/B = 0.3 which can be obtained from an energy balance on the column. Solve for D, B, and S, and use this information to obtain V_1, L_0, and other V and L values that you would find within the column.

4. **Complex Separations (10 points)**
Wankat Problem D4 (in Chapter 8)