

Example Answers

International Master's Programs of Chemical Engineering in the Graduate School of Engineering,
Kyushu University (Academic Year from October, 2025)

Subject : Chemical thermodynamics (1 sheet)

(1.1) $w = +3.99 \text{ kJ}$

(1.2) $w = 0$

$$\Delta U = +3.00 \text{ kJ}$$

$$\Delta H = +3.42 \text{ kJ}$$

(2.1) $\Delta_{\text{mix}}G = -17 \text{ kJ}$

(2.2) $x = 0.050$