**CHEM132**

**TBL – Week 2**

**Must Know List**

1. The first law of thermodynamics. Including the definition of energy, and the difference between kinetic energy and potential energy.

2. Thermodynamic terms, for example, system, surroundings, universe and state functions.

3. Definition of enthalpy changes as well as the equation for H.

4. Calorimetry calculations. (See Examples 15-1 & 15-2)

5. Thermochemical equations. (See Examples 15-3, 15-4 & 15-5)

6. Definition of standard state & standard enthalpy changes.

7. Definition of standard molar enthalpy of formation

8. Definition of Hess’s Law & Calculations (See Examples 15-7, 15-8, 15-9 & 15-10)