

## 11220CHEM102001 General Chemistry (II) (普通化學二)

**Instructor:** Prof. Tzuhsiung Yang (楊自雄). Office: R409

**Date:** 2/19(M) to 6/24(M); **Time:** M3M4W2; **Location:** MXIC 旺宏懷樸

**Course description:** This course is the second semester general chemistry.

### **Suggested textbooks:**

1. N. J. Tro, Chemistry-A Molecular Approach, 5th ed.2021, Person.

**Grading:** Grades will be based on 1) attendance (10%), 2) homework (20%), 3) two midterm exams (20%\*2), and 4) a final exam (30%).

**Rule for the use of AI:** The use of LLMs like (ChatGPT) is allowed in this class.

### **Syllabus**

<b>Topic</b>	<b>Topic Title</b>	<b>Chapters</b>
1	Gas	6
2	Thermochemistry	7
3	Liquids, Solids, and Intermolecular Forces	12
4	Solids and Modern Materials	13
5	Solutions	14
6	Chemical Kinetics	15
7	Chemical Equilibrium	16
8	Acids and Bases	17
9	Aqueous Ionic Equilibrium	18
10	Free Energy and Thermodynamics	19
11	Electrochemistry	20