

Chemistry1

Syllabus Number 1A103
Basic Major Subjects
Requisites 2 credit
ENOMOTO, Hir ofumi

1. Course Description

The aim of this course is to help students acquire an understanding of the fundamental principles of chemistry.

2. Course Objectives

The goals of this course are to obtain basic knowledge about the chemistry.

3. Grading Policy

Your final grade will be calculated according to the following ratio: Mid-term report (20%), term-end examination (80%), and a fraction of in-class contribution.

4. Textbook and Reference

Textbook
Handouts are distributed every time.

5. Requirements(Assignments)

6. Note

7. Schedule

- [1] Classification of the material
- [2] Atom and molecule-Structure of atom
- [3] Atom and molecule-molecule and ion
- [4] Electron configuration-atom
- [5] Electron configuration-orbital
- [6] Electron configuration-hybrid orbital
- [7] Element and periodic table-periodic law
- [8] Element and periodic table-typical element
- [9] Element and periodic table-transition element
- [10] Chemical bond-ionic bond
- [11] Chemical bond-covalent bond
- [12] Chemical bond-metallic bond
- [13] Amount of substance and chemical formula-atomic weight and molecular weight
- [14] Amount of substance and chemical formula-reaction formula
- [15] Term-end examination