



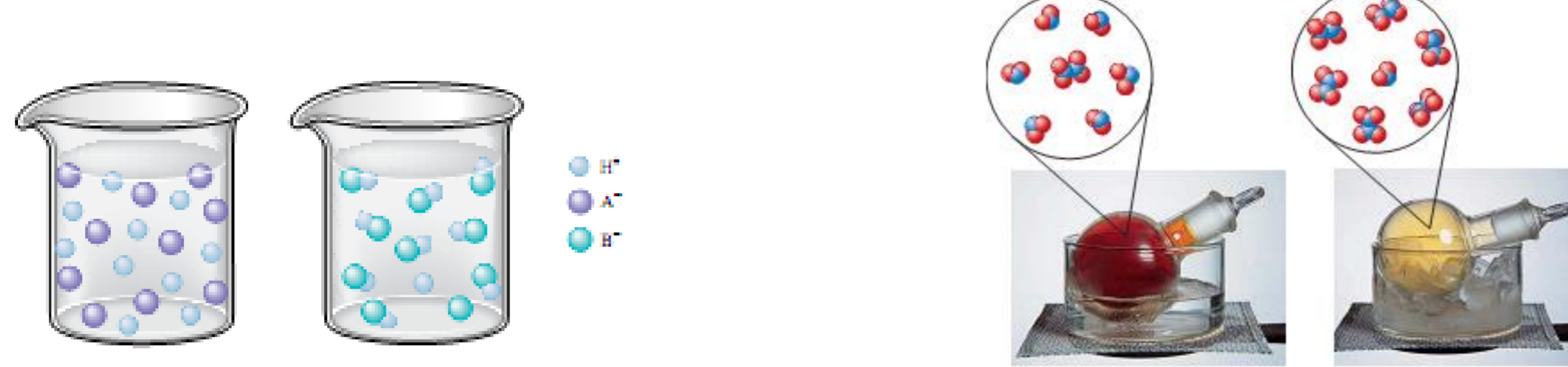
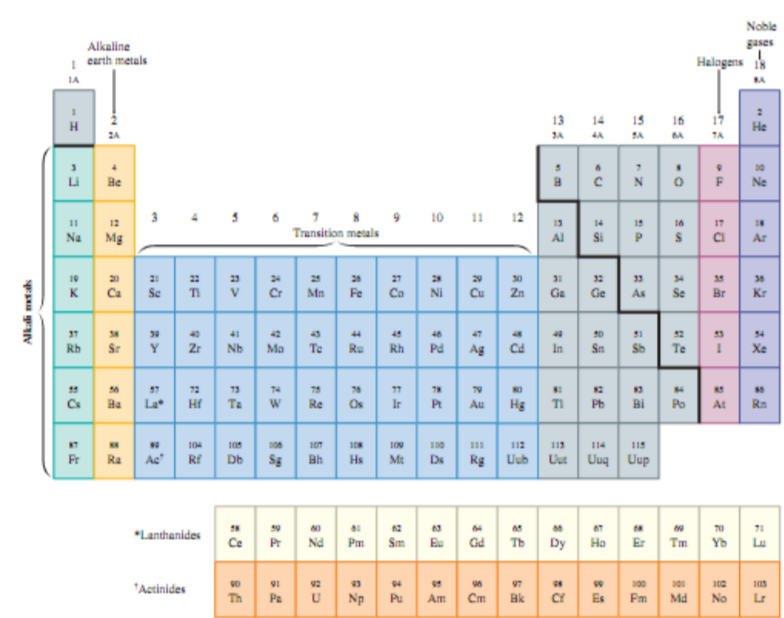
MT01001: FUNDAMENTALS OF CHEMISTRY

Total credits 2: theory 1.5 - practice 0.5 - Self-study 6



EXPECTED LEARNING OUTCOMES

Notation	Course expected learning outcomes After successfully completing this course, students are able to	Program expected learning outcomes
Knowledge		
CELO1	Illustrate of basic concepts and laws in chemistry	ELO1, ELO3
CELO2	Identify basic concepts and laws needed to solve exercises, calculate important quantities in chemistry	ELO3
CELO3	Determine relationships between chemical phenomena to biology and agriculture.	ELO3
Skills		
CELO4	Perform basic experiments in general chemistry	ELO11
Ethics and Attitude		
CELO5	Be active in learning	ELO13



COURSE DESCRIPTION

The course includes of 7 chapters

- Basic concepts and laws
 - Chemical structure
 - Thermodynamics
 - Reaction rate and chemical equilibrium
 - Solution
 - Electrochemistry
 - Colloidal chemistry
- and 3 laboratory lessons

STUDENT TASKS

Students are required to:

- participate at least 75% of theory hours
- 100% of discussion, exercises and practice hours
- Prepare for the lecture: Read the textbook of the upcoming chapter before going to class.
- Do all the exercises according to the lessons learned
- Take the mid-term exam
- Take final exam.



LEARNING METHODS

- Learning in class
- Group discussion
- Doing exercises
- Self learning
- E-learning



LECTURERS

1. PhD. Le Thi Thu Huong
2. MS. Ngo Thi Thuong
3. MS. Han Thi Phuong Nga
4. MS. Nguyen Ngoc Kien
5. MS. Tran Thanh Hai

ASSESSMENT METHODS

- Grading: 10
- Average score of course is the total points of rubrics multiplied by the respective weight of each rubric.
- Formative assessment: Participation and discussion (10%) ; Exercise (10%) and midterm test (30%)
- Summative assessment: Final exam (50%)

