

ICCH 101 General Chemistry I

Course Syllabus

This course is designed to introduce students to the basic principles of chemistry that is essential to the understanding of other disciplines such as cell biology, medicine, material science, food science, etc. The concepts that students learn in this course will come up again in many aspects of their personal and professional lives.

Course Outline

Week 1-6: Matter and Measurement, Atoms and the Atomic Theory, Compounds and Reactions (Stoichiometry), Gases, and Thermochemistry.

Midterm Exam

Week 7-12: Electron in Atoms and Periodic Table, Chemical Bondings, Liquids & Solids and Spontaneous Changes.

Grades

Assignments and Quizzes: 30%

Midterm: 30%

Final: 40%

- All evaluation will be done in a series of small quizzes and assignments

Achievements

A = >90% B+ = 85-89% B = 80-84% C+ = 75-79% C = 70-74% D+ = 65-69% D = 60-64%

Textbook: General Chemistry Eleventh Edition by Hill, Petrucci, McCreary, and Perry (ISBN 9780133897319)

E-Learning: <https://muicelearning.mahidol.ac.th>
<https://www.khanacademy.org>

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