

Course number	U-LAS61 10009 LE61					
Course title (and course title in English)	Chemistry , Society and Environment-E2 Chemistry, Society and Environment-E2		Instructor's name, job title, and department of affiliation	Graduate School of Energy Science Associate Professor,AU Ka Man		
Group	Interdisciplinary Sciences		Field(Classification)	Environmental Sciences		
Language of instruction	English		Old group	Group B	Number of credits	2
Number of weekly time blocks	1	Class style	Lecture (Face-to-face course)		Year/semesters	2025 • First semester
Days and periods	Wed.4	Target year	Mainly 1st & 2nd year students		Eligible students	For science students
[Overview and purpose of the course]						
<p>Chemistry and chemical processes are very important in both the natural environment and in human society. It is important to understand how chemistry helps to develop the products and services that we utilise, as well as how chemical products from society impact the environment, and how we can mitigate such impacts.</p> <p>This class will introduce some of the important chemical processes and products that shape modern society, as well as examining the influence that they have on the environment. It will cover basic, important chemical processes that occur in nature as well.</p> <p>The course is aimed at those who are not specialists in chemistry, but are interested in chemistry and its application, history and influence.</p>						
[Course objectives]						
Students will understand the importance of chemistry and its role in the modern world. Students will understand the importance of chemistry in relation to societal goals and environmental issues.						
[Course schedule and contents)]						
<p>The following topics will be covered.</p> <p>Chemistry introduction</p> <ol style="list-style-type: none"> 1. The history of chemistry and its influence on society 2. The chemical industry and global flows <p>Introduction to the basics of important chemical processes:</p> <ol style="list-style-type: none"> 3. Water chemistry 4. Energy chemistry 5. Petrochemistry 6. Pharmaceuticals and health chemistry 7. Mineral chemistry <p>Environmental issues and chemistry</p> <ol style="list-style-type: none"> 8. Climate change 9. Chemical pollution 10. Addressing environmental problems 						

Continue to Chemistry , Society and Environment-E2(2)						

Chemistry , Society and Environment-E2(2)

Each of the above topics covers 1-2 weeks, with one class per week.
The course overall consists of 14 classes and one feedback session.

[Course requirements]

None

[Evaluation methods and policy]

Class participation and small exercises (35%)

Final presentation (15%)

Final report (50%)

[Textbooks]

Not used

[References, etc.]

(References, etc.)

Introduced during class

[Study outside of class (preparation and review)]

Small exercises out of class may be expected.

[Other information (office hours, etc.)]

Consultation is available by prior arrangement.