

<<Last Updated:2024/02/04>>

Course Schedule Information

Course Code	24S078
Semester	Fall Term
Day and Period	Fri2
Course Name (Japanese)	Analytical Chemistry for Interface
Course Name	Analytical Chemistry for Interface
Room	Online
Course Numbering Code	24CHEM6G003
Type of Class	Lecture Subject
Credits	1.0
Student Year	1,2
Instructor	TSUKAHARA Satoshi
Course of Media Class	Applicable (Undergraduate students can include up to 60 credits in media class course as requirements for graduation.)

※About Course of Media Class

"Course of Media Class" are classes in which more than half of the classes are held in places other than classrooms by making advanced use of various media.

Undergraduate students can include up to 60 credits in media class course as requirements for graduation.

Even if this is not the case, we may hold classes using the media.

Basic Syllabus Information

Eligibility	Graduate students, SISC students
Other	

Detailed Syllabus Information

Course Subtitle		
Language of the Course	English	
Learning Methods	Listening and watching face-to-face/online class: Listening and watching a lecture, video, or demonstration, face-to-face or via online (e.g., attending a face-to-face lecture, watching an on-demand video)	
Course Objectives	Principle of interfacial tension, methods for determination of interfacial tension, some interface-specific spectroscopy, some chemical phenomena at liquid/liquid interface.	
Learning Goals	1	You can understand some chemical phenomena occurring at liquid/liquid interfaces.
Requirements, Prerequisites	Nothing	
Attendance and Student Conduct Policy	Each attendance will be based on the ratio of watched time to the total time of the online streaming. Details will be announced at the first guidance.	
Class Plan	1st	Title: 1. Thermodynamics of interfacial tension Instructor : Independent Study Outside of Class : After lecture, you should read the documents again and you should check your notebook and the calculations.
	2nd	Title:

		2. Method for the determination of interfacial tension (I)
		Instructor :
		Independent Study Outside of Class : After lecture, you should read the documents again and you should check your notebook and the calculations.
	3rd	Title:
		3. Method for the determination of interfacial tension (II)
		Instructor :
		Independent Study Outside of Class : After lecture, you should read the documents again and you should check your notebook and the calculations.
	4th	Title:
		4. Specific interfacial phenomena
		Instructor :
		Independent Study Outside of Class : After lecture, you should read the documents again and you should check your notebook and the calculations.
	5th	Title:
		5. Interface-specific spectroscopy
		Instructor :
		Independent Study Outside of Class : After lecture, you should read the documents again and you should check your notebook and the calculations.
	6th	Title:
		6. Second-harmonic generation, sum frequency generation
		Instructor :
		Independent Study Outside of Class : After lecture, you should read the documents again and you should check your notebook and the calculations.
	7th	Title:
		7. Total-internal reflection
		Instructor :
		Independent Study Outside of Class : After lecture, you should read the documents again and you should check your notebook and the calculations.
	8th	Title:
		8. Conclusion
		Instructor :
		Independent Study Outside of Class : After lecture, you should read the documents again and you should check your notebook and the calculations.

Textbooks

Online distribution using CLE (on demand).

Reference						
Grading Policy *Hover the mouse over the number of a learning goal to view the full text of it.	Evaluation Methods	Report/paper	Learning engagement			
	Learning Goals1	○	○			
	Allocation of Marks	60%	40%			
Additional Information on Grading	Learning engagement is the ratio of watched time to the total time of the online streaming. Details will be announced at the first guidance.					
Reasonable Accommodation	<ul style="list-style-type: none"> If you need reasonable accommodation to participate in this class due to disability (including intractable disease and chronic condition), please contact the office for students with disabilities (e.g., Educational Affairs Section, Academic Affairs Section, Student Affairs Section) at your school/faculty or graduate school, or the Disability Advisory and Support Service Office of the Health and Counseling Center. For more information, please visit the following website or contact the Disability Advisory and Support Service Office of the Health and Counseling Center. Website : https://acs.hacc.osaka-u.ac.jp 					

	Tel : 06-6850-6107 E-mail : campuslifekenkou-acsc@office.osaka-u.ac.jp
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Special Note Online lecture and tasks using CLE (on demand).

Office Hours Contact with e-mail (sxt@chem.sci.osaka-u.ac.jp).

Instructor(s)

Instructor Name	Office	Extension	E-mail
Satoshi TSUKAHARA	G213	5411	sxt@chem.sci.osaka-u.ac.jp

Cautions for Students

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