

<<Last Updated:2022/02/28>>

Course Schedule Information

Course Code	24S078
Semester	Fall Term
Day and Period	Fri2
Course Name (Japanese)	Analytical Chemistry for Interface
Room	School of Science/Lecture Room B308
Course Name	Analytical Chemistry for Interface
Course Numbering Code	24CHEM6G003
Credits	1.0
Student Year	1,2
Instructor	TSUKAHARA Satoshi
Course of Media Class	Not Applicable

※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
Student Year	Master course
Other	
Required/Optional	Optional
Schedule	

Detailed Syllabus Information

Course Name	
Language of the Course	English
Type of Class	Lecture Subject
Course Objective	Principle of interfacial tension, methods for determination of interfacial tension, some interface-specific spectroscopy, some chemical phenomena at liquid/liquid interface.
Learning Goals	You can understand some chemical phenomena occurring at liquid/liquid interfaces.
Requirement / Prerequisite	
Class Plan	<p>This class will be given by the CLE on-line lecture.</p> <ol style="list-style-type: none"> 1. Thermodynamics of interfacial tension 2. Method for the determination of interfacial tension (I) 3. Method for the determination of interfacial tension (II) 4. Specific interfacial phenomena 5. Interface-specific spectroscopy 6. Second-harmonic generation, sum frequency generation 7. Total-internal reflection 8. Conclusion
Independent Study Outside of Class	After lecture, you should read the documents again and you should check your notebook and the calculations.

Textbooks	Documents distributed by me.
Reference	
Grading Policy	Video view of CLE contents (40%), homework (60 %)
Other Remarks	
Special Note	Basically on-line lecture and examination using CLE
Office Hour	
Messages to Prospective Students	

Instructor(s)

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

Cautions for Students

--