

Course Schedule Information

Course Code／時間割コード	04K216
Semester／開講区分(開講学期)	Spring and Summer Term
Day and Period／曜日・時間	Fri4
Course Name (Japanese)／開講科目名	分析化学 1
Room／教室	
Course Name／開講科目名(英)	Analytical Chemistry 1
Course Numbering Code／ナンバリング	04CHEM2G004
Credits／単位数	2.0
Student Year／年次	2,3,4
Instructor／担当教員	Luke Dylan Ueda-Sarson

Basic Syllabus Information

Eligibility／履修対象
Schedule／開講時期

[List of Instructor\(s\)](#)

Detailed Syllabus Information

Course Name／講義題目	Analytical Chemistry 1
Language of the Course／開講言語	English
Type of Class／授業形態	Lecture Subject
Course Objective／授業の目的と概要	To give 2nd-year chemistry students a solid grounding in basic analytical chemistry (this grounding will be continued in the subsequent Analytical Chemistry 2 course)
Learning Goals／学習目標	Detailed learning goals will be provided at the start of each lesson.
Requirement / Prerequisite／履修条件・受講条件	Introductory Chemistry BII (or equivalent) Week 1: Course Introduction; the basics of analytical chemistry Week 2: Working with analytical data Week 3: Aqueous solution equilibria Week 4: Acids & bases Week 5: Buffers Week 6: Acid-base reactions Week 7: Acid-base titrations Week 8: Working with polyfunctional acid and bases Week 9: Mid-term exam Week 10: Complexation reactions Week 11: Complexation titrations Week 12: Precipitates and gravimetric analysis Week 13: Precipitation reactions & titrations Week 14: Kinetic analysis Week 15: Final exam
Class Plan／授業計画	Preparation for upcoming lessons: read the appropriate sections(s) of the textbooks(s). Homework exercises (ungraded). Review the contents of each class.
Independent Study Outside of Class／授業外における学習	G.D.Christian, "Analytical Chemistry", 6th edition, Wiley, New York (2003) Skoog, West, Holler, & Crouch, "Fundamentals of Analytical Chemistry", 9th Edition, Cengage (2014) Mid-term exam: 35%. Final exam: 65%
Textbooks／教科書・教材	
Reference／参考文献	
Grading Policy／成績評価	
Other Remarks／コメント	Copies of the textbook are available for loan from the International College. Others can be found in the main library.
Special Note／特記事項	
Office Hour／オフィスアワー	I can be contacted, in principal, at any time without special reservations. My office is room 510 of the IRB building, next door to the International College Office.
Course conducted by instructors with practical experience／実務経験のある教員による授業科目	

Instructor(s)

Instructor Name／教員氏名	Office／居室	Extension／内線	Fax／FAX	E-mail／e-mail
No data found				

Cautions for Students

