

Course Schedule Information

Course Code／時間割コード	04K222
Semester／開講区分(開講学期)	Spring and Summer Term
Day and Period／曜日・時間	Thu2
Course Name (Japanese)／開講科目名	無機化学 1
Room／教室	
Course Name／開講科目名(英)	Inorganic 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	Inorganic 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 inorganic chemistry (this grounding will be continued in the subsequent Inorganic 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 AII (or equivalent) Week 1: Course introduction; elemental origins; atomic nuclei Week 2: Atomic electronic structure Week 3: Bonding in molecules Week 4: Symmetry in chemistry Week 5: Solids: metals Week 6: Solids: ionic compounds Week 7: Mid-term exam Week 8: Coordination compounds Week 9: Electronic properties of coordination compounds Week 10: Bioinorganic chemistry Week 11: Physical techniques of inorganic chemistry Week 12: The chemistry of Groups 1 & 2 Week 13: The chemistry of Groups 13,14, & 15 Week 14: The chemistry of Groups 16,17, & 18 Week 15: Final exam
Class Plan／授業計画	Preparation for upcoming lessons: read the appropriate section of the textbook. Review the contents of each class.
Independent Study Outside of Class／授業外における学習	Weller, Overton, Rourke, & Armstrong; "Inorganic Chemistry" (7th edition), Oxford (2018) Shriver & Atkins' Inorganic Chemistry, 5th edition. Mid-term exam: 35%. Final Exam: 65%
Textbooks／教科書・教材	Copies of the textbook are available for loan from the International College. Others can be found in the main library.
Reference／参考文献	This course is designed to roughly correspond to the equivalent Japanese language-taught Inorganic Chemistry 1 course, although the subjects covered are not necessarily the same.
Grading Policy／成績評価	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.
Other Remarks／コメント	
Special Note／特記事項	
Office Hour／オフィスアワー	
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				

