

## Course Schedule Information

Course Code／時間割コード	13A717
Semester／開講区分(開講学期)	Summer Term
Day and Period／曜日・時間	Mon4
Course Name (Japanese)／開講科目名	Introductory Chemistry AII
Room／教室	School of Science/Lecture Room B208,IRB 401 Lecture Room
Course Name／開講科目名(英)	Introductory Chemistry AII
Capacity／定員	0
Course Numbering Code／ナンバリング	G3IUPS1G001
Credits／単位数	1.0
Student Year／年次	1,2,3,4,5,6
Instructor／担当教員	Luke Dylan Ueda-Sarson

## Basic Syllabus Information

Subtitle／サブタイトル	
Eligibility／履修対象	

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

## Detailed Syllabus Information

Course Name／講義題目	Introductory Chemistry AII
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 1st-year chemistry students a solid understanding of how atoms can be bound together to form larger entities, with particular emphasis on molecular bonding.
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 AI (or equivalent) Week 1: Bonding theories: VSEPR, hybridization , etc. Week 2: From atomic orbitals (AOs) to molecular orbitals (MOs) Week 3: MOs: diatomic molecules Week 4: MOs: polyatomic molecules Week 5: Coordination complexes Week 6: Molecular properties Week 7: Intermolecular forces Week 8: Exam and Summary
Class Plan／授業計画	Students will need to work on exercise problems given during class (lectures 1 through 6), as well as review the contents of each lesson and prepare for upcoming lessons.
Independent Study Outside of Class／授業外における学習	"Chemistry: A Molecular Approach", 2nd, 3rd, or 4th edition, Nivaldo Tro "Inorganic Chemistry", 5th edition, Gary Miessler, Paul Fischer, & Donald Tarr "Atkins' Physical Chemistry", 9th edition; Peter Atkins & Julio de Paula "Shriver & Atkins' Inorganic Chemistry", 5th edition, Peter Atkins et al.
Textbooks／教科書・教材	Class participation: 5%. Exercises: 6 x 5% = 30%. Final exam: 65%.
Reference／参考文献	"Participation" covers things like how well you contribute to class discussions.
Grading Policy／成績評価	Copies of the textbooks are available for loan from the International College
Other Remarks／コメント	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.
Special Note／特記事項	This course is designed to roughly correspond to the equivalent Japanese language-taught Introductory Chemistry AII courses offered by the School of Science.
Office Hour／オフィスアワー	
Messages to Prospective Students／受講生へのメッセージ	

## Instructor(s)

Instructor Name／教員氏名	Name (hiragana)／ふりがな	Affiliation, Title, Course／所属・職名・講座	Office／居室	Extension／内線	E-mail／e-mail
No data found					

### Cautions for Students