

科目ナンバリング		U-LAS13 10019 LE60							
授業科目名 <英訳>		Everyday Life Chemistry-E2 Everyday Life Chemistry-E2				担当者所属 職名・氏名		京都大学 未定	
群	自然科学科目群			分野(分類)	化学(基礎)			使用言語	英語
旧群	B群	単位数	2単位	週コマ数	1コマ	授業形態	講義（対面授業科目）		
開講年度・ 開講期	2024・後期		曜時限			配当学年	主として1・2年生	対象学生	全学向
【授業の概要・目的】									
This course is intended for Japanese and international students registered in liberal arts or science. It is designed to provide a basic understanding of the chemistry behind daily life.									
【到達目標】									
After this class, you will be able to explain the chemistry behind the aroma of bacon, your morning coffee, why butter is solid, low-calorie foods, trans fats, chocolate crystals, snake venoms, no-tear shampoo and why toothpaste makes your orange juice taste bad.									
【授業計画と内容】									
<p>The following topics will be covered:</p> <p>Week 1: A Day without Chemistry  Week 2: Taste Chemistry and Science of Spiciness  Week 3: Sugar and Artificial Sweeteners  Week 4: What is Fat?  Week 5: How do we Smell?  Week 6: Caffeine and Alcohol  Week 7: Chemistry of the Macaroni Salad  Week 8: Forensic Science and Chemistry  Week 9: Chemistry of Love, Pheromones and Chocolate  Week 10: Chemistry of Pain Killers and Poisons  Week 11: Soap and Shampoo Chemistry  Week 12: Chemistry of Colors  Week 13: Group Presentations (Part I)  Week 14: Group Presentations (Part II)  Week 15: No Examination  Week 16: Feedback</p>									
【履修要件】									
特になし									
【成績評価の方法・観点】									
Evaluation will be based on class attendance and active participation (30%), quizzes during classes (50%) and a 10 min group presentation (20%).									
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## Everyday Life Chemistry-E2(2)

### **[教科書]**

使用しない

### **[参考書等]**

( 参考書 )

Handouts will be provided to the students at the beginning of each class.

### **[授業外学修 ( 予習・復習 ) 等]**

Students should review the course materials after each class. Students will also be asked to prepare a short group presentation at the end of the semester.

### **[その他 ( オフィスアワー等 ) ]**

Teaching Approach:

Short animation videos followed by throughout explanation of key concepts mixed with open discussions with the students based on quizzes and activities.