

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		化学研究所 助教 SINGH, Vaibhav Pal			
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	2025・後期		曜時限	木4		配当学年	主として1・2回生	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.

[主要授業科目 (学部・学科名)]