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	2026・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]

The following topics will be covered:

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

[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 (40%) and a 10 min group presentation (30%).

Everyday Life Chemistry-E2(2)へ続く↓↓↓

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 students for 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）]