

シラバス参照

科目名/Subject	【JYPE】Organic Chemistry
科目群/Categories	Faculty of Science
曜日・講時/Day/Period	Wednesday 4th (14:40-16:10)
開講年度/Year	2023
セメスター/Semester	Fall Semester
単位数/Credit(s)	2
担当教員(所属) /Instructor (Position)	EUNSANG KWON (Assoc. Prof.)
対象/Eligibility	JYPE
使用言語/Language	English
備考/Notes	

授業題目 /Class Subject	Organic Chemistry
授業の 目的と 概要 /Objectives and Summary of Class	This class object is to study the fundamentals of chemical structure and bonding, organic compounds, stereochemistry, organic reactions, and molecular orbitals for organic molecules.
学修の 到達目標 /Goal of Study	The goal of this class is to understand the basics of chemical reactions and be able to apply them to typical organic reactions. In this course, students will learn the structure and physical properties of organic molecules using a molecular modeling program on a computer system.
授業内容 ・方法と 進度予定 /Contents and Class Schedule	<ol style="list-style-type: none"> 1: Structure and Bonding 2: Polar Covalent Bonds: Acids and Bases 3: Organic Compounds: Alkanes and Their Stereochemistry 4: Organic Compounds: Cycloalkanes and Their Stereochemistry 5: Alkenes: Structure and Reactivity 6: Alkenes: Reactions and Synthesis 7: Alkynes: An Introduction to Organic Synthesis 8: Stereochemistry 9: Organohalides 10: Reactions of Alkyl Halides: Nucleophilic Substitutions and Eliminations 11: Structure Determination: Nuclear Magnetic Resonance and Infrared Spectroscopies 12: Conjugated Compounds and Ultraviolet Spectroscopy 13: Benzene and Aromaticity 14: Chemistry of Benzene: Electrophilic Aromatic Substitution 15: Final Exam.
成績評価 方法 /Evaluation Method	Short Test Questions 20%, Final Written Exam 80%.
教科書 および 参考書 /Textbook and references	
関連 URL /URL	
授業時間外 学修 /Preparation and Review	nothing special
その他 /In addition	
更新日付	2023/09/01 10:31

30時間に授業および授業時間外学修(予習・復習など)30~15時間、「実験、実習及び実技」については30~45時間の授業および授業時間外学修(予習・復習など)15~0時間です。
One-credit courses require 45 hours of study. In lecture and exercise-based classes, one credit consists of 15-30 hours of class time and 30-15 hours of preparation and review outside of class. In laboratory, practical skill classes, one credit consists of 30-45 hours of class time and 15-0 hours of preparation and review outside of class.