科目ナンバリング U-LAS14 10011 LE69										
授業科目名 Introduction to Biology and Life Science -E2 -E2 Introduction to Biology and Life Science-E2 担当者所属 職名・氏名 理学研究科 講師 BRANDANI, Giovami · Bruno										
群	自然科学	学科目群		分野 (分類)	生物学	〔総論)		使	用言語	英語
旧群	B群	単位数	2単位	週コマ数	1コマ	授	發業形態	講義((対面授	業科目)
開講報 2025・前期 曜時限 木3 配当学年 注して1・2回 対象学生 全学向										
[授業の概要・目的]										
This course is designed to provide an introduction to the vast field of biology to undergraduate students coming from all backgrounds, even without prior knowledge of biology. We will cover a wide range of topics, starting from the structure and function of biomolecules, passing through the organization of cells and the key principles governing life, and finally concluding with evolution and the diversity of life on Earth. The use of case studies will allow students to learn how past discoveries shaped our current views of biology.										
[到達目標]										
Students will be able to explain how organisms continuously transform energy and matter to grow and maintain their internal order, to recognize structure-function relations over the many levels of biological organization, to understand the mechanisms underlying the expression and transmission of genetic information, and to illustrate how evolution explains both the unity and the diversity of life.										
[授業計画と内容]										
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[履修要	件]									
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Introduction to Biology and Life Science-E2(2)

[成績評価の方法・観点]

Participation (50%, based on the submission of weekly multiple choice quizzes) and final exam (50%).

[教科書]

Urry, Cain, Wasserman, Minorsky, Reece. Campbell Biology (Pearson) ISBN:9781292170435

[授業外学修(予習・復習)等]

The presentation slides are uploaded before each class.

Study at home may be based on the students notes, the uploaded presentation slides, and the weekly tests. At the end of each class, the students will also have the opportunity to work on extra activities to explore various biological topics, but these activities will not count toward the final evaluation.

Participation (50% of final grade) is solely based on the submission on weekly multiple choice tests.

[その他(オフィスアワー等)]

Please feel free to contact me by email at brandani@biophys.kyoto-u.ac.jp any time

[主要授業科目 (学部・学科名)]

理学部