

科目ナンバリング		U-LAS14 20071 LE68							
授業科目名 <英訳>		Introduction to Biosciences-E2 Introduction to Biosciences-E2				担当者所属 職名・氏名		薬学研究科 講師 MACPHERSON TOM	
群	自然科学科目群			分野(分類)	生物学(各論)			使用言語	英語
旧群	B群	単位数	2単位	週コマ数	1コマ	授業形態	講義（対面授業科目）		
開講年度・ 開講期	2025・後期		曜時限			配当学年	全回生	対象学生	全学向
【授業の概要・目的】									
<p>Biology, or Bioscience, is the study of living organisms and is divided into specialized fields that examine their form (morphology), function (physiology), structure (anatomy), behavior, origin (evolution), distribution, and interactions with the environment (ecology). "Introduction to Biosciences" provides students with a broad foundation in these fields, exploring key concepts in bioscience and their significance for humans and the world around us.</p> <p>Students will have the opportunity to explore topics of their own interests through class presentation assignments, such as news or journal articles related to cell biology.</p>									
【到達目標】									
<p>Students will gain an understanding of the diversity of Bioscience and its importance in our daily lives. Students will develop the ability to understand and discuss various aspects of Bioscience in English, as well as to read, understand, and think critically about Bioscience in the media, such as in news reports, newspaper articles, and scientific journal articles.</p>									
【授業計画と内容】									
<p>1. Introduction to the course; Chemistry of life 2. Cell structure 3. Genetics 4. Biological Diversity 5. Viruses 6. Plant Biology 7. Mid-term exam + Feedback, Explanation of Class Presentations 8. Animal Form and Function 9. The Nervous system 10. Sensory Systems 11. The Immune System 12. Evolution 13. Ecology 14. Class Presentations 15. Final Exam 16. Feedback</p>									
【履修要件】									
<p>This is an introductory course and prior knowledge of the topic is not necessary. All essential knowledge for the class and exams will be provided in class. Students need only to have a curiosity about the study of life.</p>									
【成績評価の方法・観点】									
<p>Midterm exam, 20%. Class presentation assignments, 20%.</p>									
----- Introduction to Biosciences-E2(2)へ続く -----									

Introduction to Biosciences-E2(2)

Final examination, 60%.

[教科書]

OpenStax Biology 2e freely available to download at the URL below.

(関連URL)

<https://openstax.org/details/books/biology-2e>

[授業外学修（予習・復習）等]

Review from the textbook, previous lecture content, and preparation for assignments to be presented in class.

[その他（オフィスアワー等）]

The contents of the syllabus are a guide to the content of the course, the exact content may change. Input and suggests from students are very welcome and I am happy to discuss the course material with students via email or in-person meeting.

[主要授業科目（学部・学科名）]

薬学部薬科学科、薬学部薬学科