科目ナンバリング U-LAS14 20022 LE68																	
	授業科目名 <英訳> Animal Behavior-E2 Animal Behavior-E2						担当者所属 野生動物研究センター 准教授 Andrew MacIntosh 野生動物研究センター 教授 平田 聡 野生動物研究センター 特定助教 GAO JIE							Intosh			
群	自然科学科目群 分野(分類) 生				生物	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	(対面授業科		·目)	
開講年度・ 開講期	2025 • T	前期	曜時限	月2				配当	学	¥	全回	生	対	象学	生	理系	向
[授業の概要・目的]																	
Why do animals do as they do? Why do we humans do as we do? This course is aimed at answering these																	
questions from the perspective of Darwinian evolution. Using 'Tinbergen's 4 questions', this course leads																	
students to discover what lies at the root of the diversity of animal behavior that we observe today, how we																	
study the mechanisms and functions of behavior, and why studying animals has a lot to teach us about the evolution of behavior in humans.																	
evolution of benavior in numans. [到達目標]																	
In this course, students will learn to:																	
- apply the scientific method to questions about animal behavior for an evidence-based perspective																	
- use comparative data and use it to better answer specific questions about the natural world																	
- understand that animal (including human) behavior, like all products of biology, is shaped by evolution																	
- apply and appreciate methods to study animal behavior (observation, experimentation, analysis)																	
[授業計画と内容]																	
This course will follow the schedule as follows. In principle, each topic within each part reflects one class,																	
but the order and spacing of topics may be moved depending on the flow of the course or the occurrence of specific events related to the course material.																	
specific e	vents rela	ated to th	ne course	mat	erial.												
1. introdu	cino anii	nal heha	vior														
	-			why	' of behavi	or											
3. measur				2													
4. neurob																	
5.'nature via nurture' - behavioral genetics																	
	6. animal learning																
7. animal cognition8. 'where are we going?' - movement & navigation																	
9. 'eat or be eaten' - foraging & self-defense 10. communication and signaling																	
11. sex & mating systems																	
12. parental investment																	
13. social behavior & social systems																	
*The course will follow a flipped learning model that blends classroom time and on-demand video lectures.																	
**Note that there will be a midterm exam held during the 7th or 8th week of class, depending on course progress and suitability. Details will be announced well in advance during class and on PandA.																	
***Note that students will get hands-on practical training observing and recording animal behavior. This will																	
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Animal Behavior-E2(2)

be done either via a field practicum at Arashiyama Monkey Park or Kyoto City Zoo, or using Live Cams set up in wildlife areas or zoological parks. Details will be announced and discussed in class and via PandA.

[履修要件]

特になし

[成績評価の方法・観点]

• 30% midterm exam (first half of course, written long answers)

• 30% final exam (second half of course, written long answers)

• 30% Problem Set Assignments (3 problem solving 1-page writing assignments based on topics covered during class time)

• 10% attendance & discussion (attendance 5% and posts in the class discussion forum about topics covered in the lectures 5%)

[教科書]

授業中に指示する

[参考書等]

(参考書)

Michael D. Breed and Janice Moore (2016) ^C Animal Behavior, third Edition (Elsevier, 2022) ISBN: 978-0128195581 (Recommended, not required. Material in textbook enhances learning.) Dustin R. Rubenstein, John Alcock ^C Animal Behavior, eleventh edition (Oxford University Press, 2019) ISBN:9781605355481 (Recommended, not required. Material in textbook enhances learning.) students are provided with information to access any additional readings related to course material

[授業外学修(予習・復習)等]

This course will use Kyoto University's online Learning Management System (LMS) PandA. Please get familiar with the system before starting the course. Students will be required to engage with various digital contents during the course, including on-demand video lectures and additional supplementary videos (YouTube), additional and optional course readings (PandA), as well as ongoing discussion in the forums (PandA). For the Problem Set Assignments, students are expected to answer a series of questions about topics provided during the class sessions, using both class time and out-of-class time to complete each of three assignments. Peer-review may also be used in these assignments, so students should be prepared to spend some time outside of class time reviewing the work of other students.

Students should also be prepared to attend a field practicum at Arashiyama Monkey Park or Kyoto City Zoo, or to conduct observations using live camera feeds while practicing behavioral data collection methods (activities to be determined and introduced in class).

The course will follow the format of flipped education, in which lectures are viewed on-demand outside of class time (YouTube), and class time is used for thinking, solving content-related problems, asking questions, having discussions and doing other lecture-related activities.

[その他(オフィスアワー等)]

There are no office hours for this course, but the instructor is always open to communicating digitally in whatever medium works best; email, online meetings (Zoom), discussion forums in PandA, etc. Appointments can be made before/after class as well, if needed.

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Animal Behavior-E2(3)			
[主要授業科目(学部・学科名)]			