

Course number		U-LAS14 20022 LE68					
Course title (and course title in English)		Animal Behavior-E2 Animal Behavior-E2		Instructor's name, job title, and department of affiliation		Wildlife Research Center Associate Professor, Andrew MacIntosh	
Group	Natural Sciences		Field(Classification)		Biology(Issues)		
Language of instruction	English		Old group	Group B		Number of credits	2
Number of weekly time blocks	1	Class style	Lecture (Face-to-face course)		Year/semesters	2025 • First semester	
Days and periods	Mon.4		Target year	All students		Eligible students	For science students
[Overview and purpose of the course]							
<p>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.</p>							
[Course objectives]							
<p>In this course, students will learn to:</p> <ul style="list-style-type: none"> - apply the scientific method to questions about animal behavior and avoid applying humanistic (anthropomorphic) explanations for what they observe - understand 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 							
[Course schedule and contents)]							
<p>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.</p> <p>*Note that there will be a midterm exam held during the 8th week of class. Details will be announced in advance during class.</p> <ol style="list-style-type: none"> 1. introducing animal behavior 2. understanding animal behavior through 4 questions 3. the 'who, what, when, where and why' of behavior 5. 'nature via nurture' - behavioral genetics 6. animal learning 7. animal cognition 8. midterm exam 9. communication and signaling 10. 'where are we going?' - movement & navigation 11. 'eat or be eaten' - foraging & self-defense 12. sex & mating systems 13. parental investment 							
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Animal Behavior-E2(2)

14. social behavior & social systems

**Note also that the course includes a practical field course held at Arashiyama's Iwatayama Monkey Park. Students will be able to apply what they learn in the course and get some practice observing animals and collecting scientific data.

[Course requirements]

None

[Evaluation methods and policy]

Attendance and class participation - 10%
Mid-term exam - 40%
Term Report - 10%
Final Exam - 40%

[Textbooks]

Michael D. Breed and Janice Moore (2016) 『Animal Behavior, 2nd Edition』 (Elsevier) ISBN:978-0128015322 (can be ordered via the University Coop, Amazon Japan and the publisher's website)

[References, etc.]

(References, etc.)
students are provided with information to access any additional readings related to course material

[Study outside of class (preparation and review)]

Students should keep up with readings in the textbook each week, preferably before class so they can actively participate in class discussion. Details about the exams and term report will be provided well in advance for students to make the appropriate preparations.

[Other information (office hours, etc.)]

This course has no scheduled office hours, but the instructor is happy to receive emails and meet either before or after class by appointment.

In addition to the weekly lectures, this course includes a field practicum at Arashiyama (Iwatayama) Monkey Park where students will learn to study and identify animal behavior. Details, including dates and content, will be discussed with students in class. Students should ensure they have the necessary insurance.

Students are strongly encouraged to participate in class discussion and ask a lot of questions!

[Essential courses]