

Course number	U-LAS70 10002 SE50				
Course title (and course title in English)	ILAS Seminar-E2 :Introduction to Bird Study - Ornithology (鳥類研究のすすめ) ILAS Seminar-E2 :Introduction to Bird Study - Ornithology	Instructor's name, job title, and department of affiliation	Graduate School of Science Associate Professor,BARNETT, Craig Antony		
Group	Seminars in Liberal Arts and Sciences	Number of credits	2	Number of weekly time blocks	1
Class style	seminar (Face-to-face course)	Year/semesters	2024 ・ Second semester	Quota (Freshman)	15 (15)
Target year	Mainly 1st year students	Eligible students	For all majors	Days and periods	Mon.5
Classroom	26, Yoshida-South Campus Bldg. No. 1			Language of instruction	English
Keyword	鳥類 / 行動 / 生態 / 進化				

[Overview and purpose of the course]

Birds fascinate people because they are everywhere, they are easy to see and hear, and they are beautiful. In this course we will examine birds by considering their defining characteristics, form and function, behaviour, life histories, ecology, and conservation. In doing so, the aim is gain a thorough understanding of this diverse and interesting group of animals.

[Course objectives]

- 1) Learn the evolutionary history of modern birds and their evolutionary relationships to other groups
- 2) Learn the characteristics of birds and the characteristics of the major avian groups
- 3) Learn the unique life history and behavioral traits of birds
- 4) Learn some aspects of avian ecology and conservation
- 5) Learning to identify different species of forest and aquatic birds around Kyoto

[Course schedule and contents]

- 1) Course introduction
- 2) What are birds and are they feathered dinosaurs?
- 3) Feathers and flight exercise (video 1)
- 4) Museum visit and exercise
- 5) Avian communication exercise (video 2)
- 6) The annual cycle of birds and their migration exercise (video 3)
- 7) Avian movement
- 8) Birds in and around Kyoto University
- 9) Finding a mate and breeding systems exercise (video 4)
- 10) Avian reproduction
- 11) A trip to Takaragaike Park to identify aquatic birds
- 12) Avian intelligence and video exercise (video 5)
- 13) What to eat. Foraging behavior of birds
- 14) Avian ecology and bird conservation
- 15) Feedback

[Course requirements]

Understanding of high school biology is recommended.

[Evaluation methods and policy]

Assessment will comprise of end of semester test.

[Textbooks]

Not used

No textbook is mandatory although we consult various readings throughout the course.

[References, etc.]

(References, etc.)

D. Attenborough 『The Life of Birds: The Complete Series』 (BBC)

F. B. Gill 『Ornithology 3rd Edition』 (W.H Freeman and Company)

Scott, G 『Essential Ornithology』 (Oxford University Press)

[Study outside of class (preparation and review)]

To achieve the course goals students should review the course materials plus optionally the recommended readings after each class.

[Other information (office hours, etc.)]