

Year	Second semester 2026
Course	Ecology and Evolution
Day/Period	Tue.1Period
Credit(s)	2Credits
Instructor	WATARU MAKINO
Eligible Participants	Not specified (For all grades)
Course code/number	
Main Subjects	
Course of Media Class	
Practical business	
Language Used in Course	English
Course Title	Ecology and Evolution
Purpose/Abstract	The purpose of this course is to learn about the fundamentals and recent developments in ecology and evolutionary biology. Lectures are held weekly.
Goal	The goal of this course is to acquire a basic understanding of ecology and evolution.
Contents and progress schedule of the class	2026/10/06, Jamie Michael Kass, Biogeography and global biodiversity patterns 2026/10/13, Kouki Hikosaka, Global change and plants 2026/10/20, Hiromi Uno, Ecosystem linkage of forest-river-ocean 2026/10/27, Kanako Bessho, Plant morphological plasticity caused by biological interactions 2026/11/10, Takashi Makino, Gene and genome duplication 2026/11/17, Manabu Bessho-Uehara, Bioluminescence 2026/11/24, Wataru Makino, Heterospecific mating interactions 2026/12/01, Kota Ishikawa, Computer Vision for Ecological Research 2026/12/08, Michio Kondoh, eDNA analysis and its application to ecological monitoring 2026/12/15, Everton Miranda, The Wild Heart of Japan: Disruptive Science and Baselines for Rewildings 2026/12/22, Leanne Faulks, Molecular ecology for freshwater biodiversity conservation 2027/01/05, Watal Iwasaki, Ecology and evolution in tumors 2027/01/12, Motonari Ohyama, Dendrochronology 2027/01/19, Takuro Ito, Adaptive Evolution of Plants in Extreme Environments 2027/01/26, Hirofumi Kajino, Exploring Plant Ecology through Leaf Traits
Grading	• Submit a report on the class that interested you the most (or left the strongest impression on you). • You will be required to write reports on a total of two classes (each as a separate report).
Books required/referenced	Nothing in particular, but it might come up during class (for future reference).
Contents of preparation and review	You'll probably need to study in preparation for class and to write your report.
Study time for preparation and review	Ideally, students should spend about four hours on preparation and review for each class session.
How to contact and Google Classroom Code	You can contact us through Google Classroom [VJ222F70]. The class code is pksxl2e.
Remarks	This course is offered as part of the Junior Year Program in English (JYPE) and is intended for international students participating in that program.
Last Update	2026/09/18

One-credit courses require 45 hours of study. In lecture and exercise-based classes, one credit consists of 15-30 hours of class time and 30-15 hours of preparation and review outside of class. In laboratory, practical skill classes, one credit consists of 30-45 hours of class time and 15-0 hours of preparation and review outside of class.