

Code	10128		
Class name	Biology		
Semester	2nd	Lecture target	1
Unit Classification	Elective	Unit count	2
Charge teacher	Hiroshi Tanaka		
Category	Basic education subjects		
Class style	Lecture		
Class time	Intensive course		
NO.			

Professional career-experienced <input type="checkbox"/> a course taught by a teacher with practical experience On practical contents related to class
Languag <input type="checkbox"/> using languages other than Japanese
Active learning elements <input type="checkbox"/> problem-solving-learning in cooperation with external organizations based on agreements <input type="checkbox"/> discussion,debate <input type="checkbox"/> group work <input checked="" type="checkbox"/> presentation <input type="checkbox"/> practical training,fieldwork

Class outline,goal
Focusing on the three characteristics of organisms: self-replication, autonomy, and adaptability, we aim to understand the diverse world of organisms by focusing on the common parts of living things from the micro to the macro, including molecules, genes, cells, organs, individuals, populations, communities, and ecosystems.
Class plan

1 Cells and DNA, the basic unit of life genetic information engineering differentiation and individual diversity regeneration using iPS cells and cancer treatment using human anti-PD-1	2 DNA and 3 Genome 4 Cellular 5 Organ 6 Respiration, 7 Environmental responses of 8 Organisms and the environment 9 Biological evolution
10 Ecology from an Evolutionary Perspective history and adaptation Behavior and Society communities and their distribution function of ecosystems classification and phylogeny of organisms	11 Life 12 Animal 13 Biological 14 Structure and 15 Biodiversity and the

Grading method

Learn basic knowledge and concepts of biology, understand biology systematically and scientifically, and explain basic phenomena of biology.

Assigned books

No textbooks will be used.

Classroom equipment

Computer, projector, projector projection screen, real specimens and materials, etc.

Advice on preparation and review

I hope you will come to class with an interest in what you will learn according to the class plan. Please take notes during class and review the handouts.

Class rules

Grading Criteria

Your overall grade in the class will be decided based on the following:
Class attendance and attitude in class: 50%
Short reports: 30%
Term-end examination: 50%

Feedback method
Note
If you take an interest in the plants and animals that you can observe in your daily life, as well as how the human body is built and how it works, you will be surprised by the discoveries that you make. Being curious and wondering why is the beginning of biology. Try to connect the events in the class to your own experiences. Make a note of what you notice immediately.
Office hour
There will be a question and answer session at the end of class, so feel free to ask questions if you have any questions.
Improvements from the results of the previous year's class evaluation questionnaire