

Biodiversity 生物多樣性				
Course Code:	DIC 8011			
Credits	Three (lectures: 3 hr per week)			
Organizers	Si-Min Lin, Yu-Feng Hsu and Sen-Lin Tang			
Lecturers	Sen-Lin Tang, Daryi Wang, John Wang, Benny Chan, Allen Chen, Ryuji Machida, Yoko Nozawa, Chih-Horng Kuo, Yin-Ru Chiang, Chi-Chien Kuo Chung-Ping Lin, Jason Tsai, Mao-Ning Tuanmu			
Time	Tuesday 09:10-12:00			
Place	1. NTNU S604 (Gong-Guan Campus) 2. B204, Biodiversity Research Center, AS			
Description	Impact of global environmental change on organisms is getting more and more significant. One of the worst situations is that the change has caused an unexpectedly high extinction rate of species in Earth history, i.e., one thousand times higher than fossil record. Biodiversity conservation now becomes one of the important and noticeable public agenda. Why is biodiversity so important? What is biodiversity? This is the main aim of this course to lead students to know “biodiversity” and the relevant researches, particularly the recent studies. Moreover, the course will also extend beyond biodiversity and introduce the policies for biodiversity conservation and management in different countries as well as existing or potential conflicts. Student questioning and discussing will be one of the two important parts in this course that will facilitate students to have better understanding of biodiversity. In the end, we hope this course not only providing the knowledge of biodiversity but also giving students a great chance to have critical thinking and discussing of the complex issues beyond biodiversity.			
Purpose	1. Lectures and presentations are designed to provide a fundamental knowledge of biodiversity and the current progress of biodiversity researches. 2. Students will have deeper understanding of the ecological relationship between human society and other organisms or ecosystems and ruminant future agenda and difficulties in biodiversity conservation.			
Grade	70% Homework 30% Presentation			
Date	Week	Lecture title	Lecturer	Remark
Feb 23	1	<ul style="list-style-type: none"> Introduction to Biodiversity Fine-scaled Differentiation of Amphibians and Reptiles in Taiwan 	Sen-Lin Tang Si-Min Lin	NTNU
March 1	2	<ul style="list-style-type: none"> Biodiversity and Human health 	Chi-Chien Kuo	

March 8	3	• Insect Diversity	Chung-Ping Lin	
March 15	4	• Coral Reef Biodiversity	Yoko Nozawa	AS
March 22	5	• Biodiversity of Lower Invertebrates: Porifera, Ctenophore, and Cnidaria	Allen Chen	
March 29	6	• Intertidal biodiversity in Taiwan	Benny Chan	
April 5	7	No class- Adjusts to holidays		
April 12	8	Mid-term examination		
April 19	9	• Marine Metazoan Biodiversity	Ryuji Machita	AS
April 26	10	• Ant Biodiversity	John Wang	
May 3	11	• Gene Diversity	Daryi Wang	
May 10	12	• Microbial Metabolite Diversity	Yin-Ru Chiang	
May 17	13	• Fungi/Nematode Diversity	Jason Tsai	
May 24	14	• Genome/Metagenome Diversity of Bacteria	Chih-Horng Kuo	
May 31	15	• Virus Diversity	Sen-Lin Tang	
June 7	16	• Remote Sensing of Biodiversity	Mao-Ning Tuanmu	
June 14	17	Invited speech	[pending]	
June 21	18	Final in-class test		