

<b>Biodiversity</b>	
<b>Course Code:</b>	DIC 8011
<b>Credits</b>	Three (lectures: 3 hr per week)
<b>Organizers</b>	Dr. Si-Min Lin, Dr. Yu-Feng Hsu, Dr. Allen Chen, Dr. Kuo-Fang Chung
<b>Lecturers</b>	Dr. Allen Chen, Dr. Kuo-Fang Chung, Dr. Chi-Chien Kuo, Dr. Tung-Yuan Ho, Dr. Tsai Isheng Jason, Dr. Wei-Chung Liu, Dr. Colin Wen (THU), Dr. Chung-Hung Lee (NDHU), Dr. Pierre-Alexandre Chateau (NSYSU)
<b>Time</b>	Tuesday 14:20-17:20
<b>Place</b>	1. B208, Biodiversity Research Center, BRC, AS 2. S606, NTNU (Gong-Guan Campus)
<b>Description</b>	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.
<b>Purpose</b>	<ol style="list-style-type: none"> <li>1. Lectures and presentations are designed to provide a fundamental knowledge of biodiversity and the current progress of biodiversity researches.</li> <li>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.</li> </ol>
<b>Grade</b>	70% Homework 30% Attendance/ Class Participation

<b>Week</b>	<b>Date</b>	<b>Lecturer /Topic</b>
Week 1	9/12	Dr. Allen Chen, Dr. Si-Min Lin/ Introduction
Week 2	9/19	Dr. Kuo-Fang Chung Museum/herbarium collections and biodiversity researches
Week 3	9/26	Dr. Kuo-Fang Chung and Dr. Shih-Pin Huang BRCAS fish collections and curation

Week 4	10/3	Dr. Kuo-Fang Chung and Miss Meng-Min Hsueh BRCAS zoological collections and curation
Week 5	10/10	National Holiday
Week 6	10/17	Dr. Kuo-Fang Chung and Miss Tsui-Ya Liu BRCAS herbarium collections and curation
Week 7	10/24	Dr. Tsai Isheng Jason Biodiversity of eukaryotic microorganisms
Week 8 <b>NTNU</b>	10/31	Dr. Chi-Chien Kuo Biodiversity and Human Health / <a href="#">S606, NTNU (Gong-Guan Campus)</a>
Week 9	11/7	South China Sea Symposium (Dr. Allen Chen)
Week 10	11/14	Retreat
Week 11	11/21	Dr. Chung-Hong Lee Introduction to ecological economics and it's application
Week 12	11/28	Dr. Colin Wen The functional role of fishes in coral reef ecosystem
Week 13	12/5	Dr. Allen Chen Field trip to Algae Reef and Fish market in Taoyuan (one-day trip)
Week 14	12/12	Dr. Tung-Yuan Ho Marine phytoplankton community structure and their environmental control
Week 15	12/19	Dr. Pierre-Alexandre Chateau Introduction to ecosystem modeling
Week 16	12/26	Dr. Wei-Chung Liu Food Webs
Week 17	1/2	Dr. Allen Chen A day trip to the National Museum of Marine Science and Technology and rocky shore intertidal observation
Week 18	1/9	Final report