

<b>Conservation Biology</b> 保育生物學	
<b>Course Code</b>	DIC 8014
<b>Credits</b>	Three (2 hr lecture and 1 hr paper discussion per week)
<b>Organizers</b>	Chi-Chien Kuo
<b>Time</b>	Tuesday 13:20-16:20
<b>Place</b>	S606, NTNU Gongguan Campus
<b>Description</b>	What are the major threats to biodiversity, how will species suffer, and which species are the most threatened? This course will consider these issues and also an in-depth knowledge of principles of conservation biology. Students will lead the discussion on relevant papers of conservation biology and learn to critique effectiveness of ecological principles in the applications to real-world conservation.
<b>Course Objectives</b>	Familiarize students with threats to biodiversity and approaches for mitigating the risks. Students will also learn to think critically and communicate effectively
<b>Grade</b>	35% Term paper 15% Oral presentation 40% Paper discussion 10% Class Participation
<b>Textbooks and References</b>	1. Rickard B. Primack. Essentials of Conservation Biology. 6 <sup>th</sup> ed. (2014) 2. Martha J. Groom, Gary K. Meffe, Ronald Carrol 3rd. ed. Principles of Conservation Biology (2006) 3. Journal articles

<b>Week</b>	<b>Date</b>	<b>Topic (tentative)</b>
Week 1	2/21	Introduction and Conservation in Taiwan
Week 2	2/28	Adjust to holiday (Peace Memorial Day)
Week 3	3/7	Genetic Diversity
Week 4	3/14	Demography and Population
Week 5	3/21	Metapopulation
Week 6	3/28	Captive Breeding and Reintroduction
Week 7	4/4	Adjust to holiday (Tomb Sweeping Day)

Week 8	4/11	Conservation of Habitat and Landscape
Week 9	4/18	Overexploitation, Invasive Species, and Disease
Week 10	4/25	Conservation Priorities: Which Species and Area to Focus on?
Week 11	5/2	Reserve Design and Managing Protected Areas
Week 12	5/9	Conservation Outside Protected Areas
Week 13	5/16	Ecosystem Management and Adaptive Management
Week 14	5/23	Sustainable Development
Week 15	5/30	Adjust to holiday (Dragon Boat Festival)
Week 16	6/6	Environmental Laws
Week 17	6/13	Oral Presentation
Week 18	6/20	Oral Presentation