

Biodiversity	
Course Code:	DIC (NTNU) No. (THU)
Credits	Three (lectures: 3 hr per week)
Organizers	Dr. Kuo-Fang Chung
Textbook	Biogeography 5 th edition
Time	Wednesday 14:00-17:00
Place	B208, Biodiversity Research Center, BRC, AS
Description	This course is designed for 1 st year TIGP-BIODIV students to have a comprehensive understanding of biological diversity through an in-depth reading of the textbook "Biogeography 5 th edition". Groups of students will lead the reading discussion and all students are expected to read the assigned chapters. During the course, I will also provide tips for student to write grant proposals, give feedbacks for students' assigned writings.
Purpose	<ol style="list-style-type: none"> 1. Provide the fundamental knowledge of biodiversity and the current progress of biodiversity researches. 2. Train students with the ability to lecture and write grant proposal.
Grade	50%-Leading discussion 20%-Attendance/ Class Participation 30%-Grant proposal

Week	Date	Lecturer /Topic
Week 1	9/04	Dr. Kuo-Fang Chung (BRCAS) Introduction: Biodiversity and Convention on Biological Diversity (CBD) Ch1: What Is Biogeography?
Week 2	9/11	Dr. Kuo-Fang Chung Ch 2: The History and Reticulating Phylogeny of Biogeography) Ch 3: The Geographic Template: Visualization and Analysis of Biogeographic Patterns
Week 3	9/18	Ch 4: Distributions of Species: Ecological Foundations
Week 4	9/25	Ch 5: The Distribution and Dynamics of Communities, Biomes, and Ecosystems
Week 5	10/02	Ch 6: Dispersal and Immigration
Week 6	10/09	Ch 7: Speciation and Extinction
Week 7	10/16	Ch 8: The Changing Earth
Week 8	10/23	GBIF, TaiBIF and Biodiversity Informatics by Daphne Hoh / Melissa Liu
Week 9	10/30	Research Museum of Biodiversity Research Center by Dr. Shih-Pin Huang (Meeting point: 2pm: Lobby of Interdisciplinary Building, Academia Sinica)
Week 10	11/06	Ch 9: Glaciation and Biogeographic Dynamics of the Pleistocene

Week 11	11/13	Ch 10: The Geography of Diversification and Regionalization
Week 12	11/20	Ch 11: Reconstructing the Evolutionary History of Lineages
Week 13	11/27	Ch 12: Reconstructing the Geographic History of Lineages and Biotas
Week 14	12/04	Ch 13: Island Biogeography
Week 15	12/11	Ch 14: Areography, Ecogeography, and Macroecology of Continental and Oceanic Biotas
Week 16	12/18	Ch 15: Biogeography of Humanity, Biological Diversity, and Conservation Biogeography Ch 16: From the Foundations to the Frontiers of Biogeography