

<p>尊重智慧財產權，請使用正版教科書，不得非法影印。</p> <p>使用逾期或，未取得合法授權之教材或將試用版教材以公開傳輸利用者，皆屬侵害他人著作權，將處刑責、拘役及罰金，請勿以身試法。</p>	
學期	1112
開課單位	生命科學系
流水號	24034
課號	LS6092-*
授課教師	劉阜果
課程名稱(中文)	專題研究：台灣與東亞之生物地理親緣關係
課程名稱(英文)	Special Topics in Biogeography in Taiwan and East Asia
課程學制	碩博同修
學分	3
課程目標	學習研究及瞭解台灣生物多樣性的演化及源起
授課內容	<p>"Biogeographic and phylogenetic analyses are the knowledge and tools to study evolution in nature. This course would apply these on different taxa to synthesize how evolutionary events have driven the evolution of organisms' distribution patterns, population structures, and speciation on global or local scales. The East and Southeast Asia encompasses one of the most actively geographical histories on earth with extremely high biodiversities. Conservation issues are highly emphasized and valued there. However, we are still limited in organism information from these areas. I hope this course may draw more attentions to this field and areas, as well as inspiring students' interests and having more participants.</p> <p>1. Introduction of the Princial of Biogeography 2. Distributions of Species 3. Dispersal and Immigeation</p>

	4. Speciation and Extinction 5. Geographic events 6. Island Ecology and Biogeography 7. Evolution and Molecular Evolution 8. Molecular Clock 9. Phylogeny 10. Geology and Biogeography in South and East Asia 11. Formation and Geography of Taiwan 12. Plant Biodiversity in Taiwan and Neighboring Area 13. Terrestrial Animal Biodiversity in Taiwan and Neighboring Area 14. Fresh-water Animal Biodiversity in Taiwan and Neighboring Area 15. Marine Organism Biodiversity around Taiwan and Neighboring Area 16. Presentation I 17. Presentation II 18. Presentation III"
教科書/參考書	"Biogeography: an ecological and evolutionary approach. 7th ed. Barry Cox and Peter Moore. 2007. Blackwell publishing, Singapore. Molecular approaches to ecology and evolution. Rob DeSalle and Bernd Schiervater (eds). 1998. Birkhauser, Boston, USA."
自編教材比例	0
授課方式	講授 研討 實習/實驗 個別指導
評量配分比重	Presentation 60% Discussion 20% Attendance 20%
辦公時間	Make an appointment by e-mail.
授課週數	18
彈性教學說明	
課程領域	基礎學科 、 進階學科 、 環境生物 、 生態演化 、 生物資訊

系所核心能力	強度指數	評量方式
高等生物專業知識	(4) 高	口頭報告/口試 ， 出席/課堂表現
創新及整合研究	(4) 高	口頭報告/口試 ， 出席/課堂表現
專業寫作與表達	(2) 低	口頭報告/口試 ， 出席/課堂表現
國際觀	(3) 普通	口頭報告/口試 ， 出席/課堂表現