

# 102-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	動物行為學	Serial No. / ID	2419 / BRI4012
Dept.	生物資源學系	School System / Class	大學日間部4年1班
Lecturer	賴伯琦	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	Yes
Time / Place	(二)234 / J305	Language	Chinese

**Introduction**

"Animal behavior" is to explore how individual organisms and biological evolution and behavior change groups aim to achieve through behavioral adaptation to the environment through individual behavior, the study population can explore biological surveys and conservation as an important basis and results, by behavior ecology model system established to explore the learning behavior patterns of communication between individual organisms and can establish effective methods of biological investigation, and as an important basis for biological conservation strategies proposed.

**Outline**

This course introduces addition to the related sexual behavior and ecology and evolution of animals between chemistry, but also describes the evolution mechanism between biological behavior and ecological environment, and therefore must introduce the biological phenomenon of individual behavior and research methods, such as: sensory systems and behavior and cognitive systems, and must explain connected between individual behavior and ecology of information between; through the interaction of individual behavior between the evolution of ethnic and social systems is through the "sexual selection and mate choice" and "socialization and kin selection (insects )" and the related phenomenon of ethnic groups and between social behavioral ecology is also an important issue; Furthermore, in the process of biological reproduction explore the life history of biological adaptation, phylogenetic history of behavioral ecology is an important issue.

**Prerequisite**

General Biology  
Ecology