

## 國立清華大學 109 學年第 2 學期新開課程課程大綱

科號		組別		學分	2	人數限制	0
修課年級	<ul style="list-style-type: none"> <li>■ 大學部二年級以上</li> <li>■ 碩士班一年級以上(含博士班)</li> <li>■ 碩士班二年級以上(含博士班)</li> </ul>						
上課時間	RnR5			教室	109		
科目中文名稱	動物行為學						
科目英文名稱	Animal Behavior						
任課教師	郭崇涵						
擋修科目	無			擋修分數	無		

※下列各欄由任課教師提供※

一、課程說明	The course is aim to inspire students' interests in how and why animals behave the way they do? We will cover various disciplines to understand animal behaviors, including neurobiology, genetics or evolutionary biology. We will also talk about the diversity of some specific behaviors, such as foraging, mating, aggression, in different species.			
二、指定用書	Principle of animal behavior, 3 <sup>rd</sup> edition by Lee Alan Dugatkin			
三、參考書籍				
四、教學方式	1. 主要由任課老師講解學習內容 2. 各個教學單元結束前和學生進行問題討論			
五、教學進度	Week	Date	Topic	Chapter
	1	2/25	Principles of Animal Behavior	1
	2	3/4	The Evolution of Behavior	2
	3	3/11	Hormones and Neurobiology	3
	4	3/18	Molecular Genetics and Development	4
	5	3/25	Learning	5
	6	4/1	Cultural Transmission	6
	7	4/8	Communication	13
	8	4/15	Sexual Selection	7
	9	4/22	Mating Systems	8
	10	4/29	Aggression and play	15 & 16
	11	5/6	Kinship	9
	12	5/13	cooperation	10
	13	5/20	Foraging and personality	11 & 17
	14	5/27	Antipredator Behavior	12
	15	6/3	Habitat Selection, Territoriality, and Migration	14
	16	6/10	Final	
	17	6/17		
六、成績考核	One take-home midterm report (a research poster), one take-home exam and one final report (a research proposal)			
七、講義位址 http://	iLMS			