

Disease Ecology					
Course Code	DID0004				
Credits	Three (3 hr per week)				
Organizers	Prof. Chi-Chien Kuo				
Lecturers	Prof. Chi-Chien Kuo				
Time	Thursday 14:20-17:20				
Place	S307, 3F, Research Building, NTNU Gongguan Campus				
Description	The main focus of this course will be introduction of disease ecology, the value of disease prevention, and the development of the latest research				
Purpose	<ol style="list-style-type: none"> 1. Learning the novel research development 2. Training the skill of oral and written ability 3. Encouraging students to participate in discussion 				
Reference	Relevant research papers				
Grade	<table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">Report/ Presentations:</td> <td style="text-align: right;">60%</td> </tr> <tr> <td>Paper Discussion</td> <td style="text-align: right;">40%</td> </tr> </table>	Report/ Presentations:	60%	Paper Discussion	40%
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	Date	Topic
Week 1	3/5	Introduction: what is disease ecology, why care?
Week 2	3/12	Zoonoses (I)
Week 3	3/19	Zoonoses (II)
Week 4	3/26	Bats and zoonoses
Week 5	4/2	Adjust to Holiday
Week 6	4/9	Vector-borne diseases (I)
Week 7	4/16	Vector-borne diseases (II)
Week 8	4/23	Effects of diseases on wildlife hosts (I)
Week 9	4/30	Midterm Report
Week 10	5/7	Effects of diseases on wildlife hosts (II)
Week 11	5/14	Host-pathogen interactions
Week 12	5/21	Epidemiological models
Week 13	5/28	Disease control
Week 14	6/4	Biodiversity & human health
Week 15	6/11	Effects of climate change on diseases
Week 16	6/18	Socio-economy and disease emergence
Week 17	6/25	Dragon Boat Festival (no class)
Week 18	7/2	Final Report