

## 生物學 2017

Department of Medical Laboratory Science and Biotechnology, NCKU

開課老師: 楊孔嘉(5787); 陳呈堯(5790); 傅子芳(5795)

林韋伶; 陳百昇; 蔡慧頻; 阮振維; 張權發

上課時間地點: 星期一 15:10-16:00; 5761

星期三 10:10-12:00; 5761

日期	Chapter	上課內容	上課老師
09/18		Outdoor activity/course orientation	All
09/20(W)		Questions generation and report – what you want to know and what shall be learned? (grouping)	All
09/25	1-15	Cell, Genetics and Inheritance	林韋伶
09/27(W)	43/44	Animal behavior/population ecology	傅子芳
10/02	44/45	Community ecology	傅子芳
10/09	45/46	Community ecology/Ecosystem	傅子芳
10/11(W)	48	Human impacts on the biosphere	傅子芳
10/16	5/6	Metabolism and Photosynthesis	陳百昇
10/18(W)		Questions refinement and Discussion (grouping)	All
10/23	16	Evidence of evolution	陳呈堯
10/25(W)	17	Process of evolution	陳呈堯
10/30	18	Organizing information about species	陳呈堯
11/01(W)	19	Life's origin and early evolution	陳呈堯
11/06	20	Viruses, bacteria, and archaea	蔡慧頻
11/08(W)	21	Protists	陳呈堯
11/13	23	Fungi	阮振維
11/15(W)	24/25	Animal Evolution	陳呈堯
11/20	26	Human Evolution	陳呈堯
11/22(W)		Questions refinement and Discussion (grouping)	All
11/27		<u>期中考</u>	
11/29(W)	31	Animal tissue and organ system Video/terminology spelling	楊孔嘉
12/04	32/33	Neural control/Sensory perception	張權發
12/06(W)	32/33	Neural control/Sensory perception	林韋伶

12/11	34/36	Endocrine control/circulation	楊孔嘉
12/13(W)	34/36	Endocrine control/circulation	楊孔嘉
12/18	35	Structure support and movement	王冠傑
12/20(W)	41/42	Animal reproductive system/animal development	楊孔嘉
12/25	41/42	Animal reproductive system/animal development	楊孔嘉
12/27(W)	37	Immunity	楊孔嘉
01/03(W)	38/39	Respiration/Digestion and nutrition	傅子芳
01/08	38/39	Respiration/Digestion and nutrition	傅子芳
01/10(W)		Report, discussion and question refined – what have you learned? What else and more you want to know? (grouping)	All
01/15		<u>期末考</u>	楊孔嘉

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參考教科書: Biology – The Unity and Diversity of Life, 2013, by Cecie Starr et al., 14<sup>th</sup> edition ©Cole, Cengage Learning

學期成績計算方式:

**教學主題:**

生命過程、環境與老化

**教學目標與設計:**

藉由進入場域鼓勵引導學生發現問題、產生問題、(規劃所欲學習的內容以解決問題)並在學期課程學習中，藉由不斷討論、調整與修改的過程中，逐漸精確化及深入化所欲討論的問題和學習的內容。

**教學方式:**

場域(校外教學,綠能與生活) →

課程進行 (lecture, vedio, discussion and presentation) →

評量 (examines and presentation) →

課程進行 (lecture, vedio, discussion and presentation) →

評量 (examines and presentation)