

國立中正大學生物醫學系課程大綱

課程名稱(中文)：	普通生物學 (一) (星期一、三; 14:45-16:00, Rm331)
先修科目或 先備能力：	無
課程概述：	介紹生命科學。
學習目標：	1. 窺探生命科學之奧秘，發掘生命科學之趣味，學習生命科學之基本知識。 2. 嫻熟生物化學、分子生物學及細胞生物學等生命科學領域基礎之知識。
教科書：	Biology: A Global Approach, 12th edition (ISBN-13: 978-1-292-34163-7) by Campbell et al. (請尊重智慧財產權，不得非法影印教師指定之教科書籍)

教學要點概述：

1. 教材編選：☐ 自編教材 ☒ 教科書作者提供

2. 教學方法：☒ 投影片講述 ☐ 板書講述

3. 評量方法：Grade (100 points): 4 Written exams (4 X 25%)

4. 教學資源：☐ 課程網站 ☒ 教材電子檔供下載 ☐ 實習網站

5. 教學相關配合事項：上課時禁止使用手機!

Date	Chapter	Topic	Instructor
9/7	1	Introduction: Biology and Its Themes	Shu-Huei Hsiao
9/9	5	Biological Macromolecules and Lipids	Shu-Huei Hsiao
9/14	5	Biological Macromolecules and Lipids	Shu-Huei Hsiao
9/16	7	Cell Structure and Function	Shu-Huei Hsiao
9/21		Self-directed Learning	Shu-Huei Hsiao
9/23		Self-directed Learning	Shu-Huei Hsiao
9/28		Holiday	
9/30	7	Cell Structure and Function	Shu-Huei Hsiao
10/5	7	Cell Structure and Function	Shu-Huei Hsiao
10/7		1st Exam	Shu-Huei Hsiao
10/12	9	Cellular Signaling	Shu-Huei Hsiao
10/14	9	Cellular Signaling	Shu-Huei Hsiao
10/19	10	Cellular Respiration	Shu-Huei Hsiao
10/21	10	Cellular Respiration	Shu-Huei Hsiao
10/26		Holiday	
10/28	12	Mitosis	Shu-Huei Hsiao
11/2	12	Mitosis	Shu-Huei Hsiao
11/4		2nd Exam	Shu-Huei Hsiao
11/9	13	Sexual Life Cycles and Meiosis	Min-Lang Huang
11/11	13	Sexual Life Cycles and Meiosis	Min-Lang Huang
11/16	14	Mendelian Genetics	Min-Lang Huang
11/18	14	Mendelian Genetics	Min-Lang Huang
11/23	15	Linkage and Chromosomes	Min-Lang Huang
11/25	15	Linkage and Chromosomes	Min-Lang Huang
11/30	16	Nucleic Acids and Inheritance	Min-Lang Huang
12/2	16	Nucleic Acids and Inheritance	Min-Lang Huang
12/7		3rd Exam	Min-Lang Huang
12/9	17	Expression of Genes	Min-Lang Huang
12/14	17	Expression of Genes	Min-Lang Huang
12/16	18	Control of Gene Expression	Min-Lang Huang
12/21	18	Control of Gene Expression	Min-Lang Huang
12/23	19	DNA Technology	Min-Lang Huang
12/28	19	DNA Technology	Min-Lang Huang
12/30	19	DNA Technology	Min-Lang Huang
1/4		Final Exam	Min-Lang Huang

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