

112 下 LS 312200 微生物學 (Microbiology)

Time: M5M6 & R5

1. Textbook: Prescott et al., 2020 Prescott's Microbiology, 11th ed. McGraw Hill

藝軒圖書出版社代理 (02)2367-6824 or (02)2918-2288

2. Lecture notes/materials: go to iLMS 升級版「清華大學 eeclass 數位學習平台」
(<https://eeclass.nthu.edu.tw/>)

3. Instructor: Mou-Chieh Kao (高茂傑) mckao@life.nthu.edu.tw LS-I 307 ext. 42472

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4. Teaching assistant:

to be announced

5. TA office hours: By appointment only

6. Course description:

This is a course of introductory level, which intends to give a general overview of modern microbiology. Medical and molecular aspects of microbiology will be specifically emphasized. The class will be taught by giving lectures following the outlines of the textbook.

7. Grading

100% three in-class written examinations

8. Syllabus

Week	Date	Topics (chapter)	Instructor
1	2/19 2/22	The evolution of microorganisms and microbiology (1)	Kao
2	2/26 2/29	Microscopy (2)	Kao
3	3/4 3/7	Microscopy (2) Bacteria cell structure (3)	Kao
4	3/11 3/14	Bacteria cell structure (3)	Kao
5	3/18 3/21	Bacterial and archaeal growth (7) Microbial genomics (18)	Kao Lan
6	3/25 3/28	Examination I (包含 2/19~ 3/18 之內容) Microbial genomics (18)	Kao Lan
7	4/1 4/4	Microbial taxonomy and the evolution diversity (19) 民族掃墓節放假	Lan
8	4/8 4/11	Nonproteobacterial Gram-Negative Bacteria (21)	Lan
9	4/15 4/18	Proteobacteria (22)	Lan
10	4/22	Infection and pathogenicity (35)	Lan

	4/25	Human diseases caused by bacteria (39)	
11	4/29 5/2	Examination II (包含 3/21 ~ 4/25 之內容) Viruses and other acellular infectious agents (6)	Lan Yin
12	5/6 5/9	Viruses and other acellular infectious agents (6)	Yin
13	5/13 5/16	Viruses (26)	Yin
14	5/20 5/23	Innate host resistance (32)	Yin
15	5/27 5/30	Adaptive immunity (33)	Yin
16	6/3	期末考試 (包含 5/2~ 5/30 之內容)	Yin

- 本課程無涉及 AI 使用