108 下 LS 312200 微生物學 (Microbiology)

Time: M5M6 & R5 Classroom: LSII-107

1. Textbook: Prescott et al., 2017 Prescott's Microbiology, 10th 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 (http://lms.nthu.edu.tw/)
3. Instructor: Mou-Chieh Kao (高茂傑) mckao@life.nthu.edu.tw LS-I 307 ext. 42472
   Hsien-Sheng Yin (殷獻生) hsyin@life.nthu.edu.tw LS-II 320 ext. 42469
4. Teaching assistant: 楊欣瑜 a0988805594@gmail.com LS-II 324 ext. 33482
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	3/02 3/05	The evolution of microorganisms and microbiology (1)	Kao
2	3/09 3/12	Microscopy (2)	Kao
3	3/16 3/19	Microscopy (2) Bacteria cell structure (3)	Kao
4	3/23 3/26	Bacteria cell structure (3)	Kao
5	3/30 **4/02**	Bacteria cell structure (3) **清明節/校際活動放假**	Kao
6	**4/06** 4/09	**清明節/校際活動放假** Microbial growth (7-1)	Kao
7	4/13 4/16	**Examination I (包含 3/02~ 4/09 之內容)** Microbial growth (7-2)	Kao
8	4/20 4/23	Microbial growth (7-2) Microbial genomics (18)	Kao
9	4/27 4/30	Microbial genomics (18) Microbial taxonomy and the evolution diversity (19)	Kao
10	5/04 5/07	Microbial taxonomy and the evolution diversity (19) Pathogenicity & Infection (35)	Kao
11	5/11 5/14	Pathogenicity & Infection (35) Viruses and other acellular infectious agents (6)	Kao Yin

12	5/18 5/21	**Examination II (包含 4/16~ 5/11 之內容)** Viruses and other acellular infectious agents (6)	Kao Yin
13	5/25 5/28	Viruses and other acellular infectious agents (6) The viruses (27)	Yin Yin
14	6/01 6/04	The viruses (27)	Yin Yin
15	6/08 6/11	Innate host resistance (33)	Yin
16	6/15 6/18	Adaptive immunity (34)	Yin
17	**6/22**	**期末考試 (包含 5/14~ 6/18 之內容)**	Yin