

# Medical Microbiology and Immunology

Lecturer: 蕭尊先 (Microbiology), 王慧菁(Virology), 李政昇(Immunology)

Time: Monday 6 – 8, 16 weeks

Classroom: Life Science Building II Room 109

Teaching assistant: To be determined

## Textbook:

### 1. 微生物學(蕭尊先)

Patrick R. Murray PhD, Ken S. Rosenthal PhD, Michael A. Pfaller MD,  
Medical Microbiology 9<sup>th</sup> Ed. ISBN: 978-0323673228. 2022, Elsevier Inc 藝軒出版社

### 2. 病毒學 (王慧菁)

a) Medical Microbiology 9th Ed. ISBN: 978-0323673228. 2022, Elsevier Inc

b) 參考書: Principles of Virology. 5<sup>th</sup> Ed. ASM Press

c) 公開參考資訊: Virology blog/Viology101

<http://www.virology.ws/virology-101/>

### 3. 免疫學 (李政昇)

參考用書: Janeway's Immunobiology, 9th Ed (藝軒出版社, ISBN:9780815345510)

Date	Content	Lecturer
02/19	Chapter 3. Sterilization and disinfection methods Chapter 12. Bacterial Classification, Structure, and Replication	蕭尊先
02/26	Chapter 13. Bacterial Metabolism and Genetics	蕭尊先
03/04	Chapter 13. Bacterial Metabolism and Genetics	蕭尊先
03/11	Chapter 17. Antimicrobial drugs	蕭尊先
03/18	Chapter 2. Human microbiome in health and diseases	蕭尊先
03/25	Mid-term examination I (1h) + The infectious life cycle of viruses	王慧菁
04/01	National holiday	
04/18	Viral replication	王慧菁
04/15	Viral attachment and assembly	王慧菁
04/22	Viral pathogenesis	王慧菁
04/29	Mid-term examination II (1 h) + An overview of immunology	李政昇
05/06	Antigen recognition by lymphocyte antigen receptors	李政昇
05/13	Development of lymphocytes	李政昇
05/20	T cell-mediated immunity	李政昇
05/27	Humoral immune response	李政昇
06/03	Final examination	李政昇

## Grading

3 major in-class examinations: 90%

Class attendance/quiz : 10%

AI 使用規則 (Indicate which of the following options you use to manage student use of the AI) (2)有條件開放, 請註明如何使用生成式AI於課程產出 Conditionally open. Please specify how generative AI will be used in course output.