

Medical Microbiology and Immunology

Lecturer: 張晃猷 (Microbiology) , 王慧菁(Virology) , 李政昇(Immunology)

Time: Monday 6 – 8

Classroom: Life Science Building II Room 109

Teaching assistant: TBD

Textbook:

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

2. 病毒學

參考書 (參考用即可): Principles of Virology. Vol I: Molecular Biology, Vol. II: Pathogenesis and Control (S.J. Flint et al., Third Edition, ASM Press 2015)

公開參考資訊: Virology blog/Viology101

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

3. 免疫學

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

Date	Content	Lecturer
02/13	Chapter 2. Human microbiome in health and diseases	張晃猷
02/20	Chapter 3. Sterilization and disinfection methods	張晃猷
02/27	National holiday	
03/06	Chapter 12 -13. Bacterial cell structure and genetics	張晃猷
03/13	Chapter 14-15. Bacteria pathogenicity and roles in diseases	張晃猷
03/20	Chapter 17. Antimicrobial drugs	張晃猷
03/27	Mid-term examination I (1h) + The infectious life cycle of viruses	王慧菁
04/03	National holiday	
04/10	Viral replication	王慧菁
04/17	Viral attachment and assembly	王慧菁
04/24	Viral pathogenesis	王慧菁
05/01	Antiviral therapy	王慧菁
05/08	Mid-term examination II (1 h) + An overview of immunology	李政昇
05/15	Antigen recognition by lymphocyte antigen receptors	李政昇
05/22	Development of lymphocytes	李政昇
05/29	T cell-mediated immunity	李政昇
06/05	Humoral immune response	李政昇
06/12	Final examination	李政昇

Grading

3 in-class examinations: 90%

Class attendance/quiz : 10%