

Medical Microbiology and Immunology

Lecturer: 王慧菁(Microbiology) , 李政昇(Immunology)

Textbook:

1. 微生物 (王慧菁)

Microbiology, OpenStax. 此為美國Rice University建立的公開版本微生物教科書包含微生物基礎及一些進階知識，建議同學線上觀看或是下載整本教科書學習。網站上也有手機APP可下載，是一個開放又有用的學習資源

<https://openstax.org/details/books/microbiology?Book%20details>

2. 病毒學 (王慧菁)

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 (李政昇)

Roitt's Essential Immunology, 13th edition, 藝軒出版社 (ISBN:9781118415771)

Time: Monday, M6-8

Classroom: 生二 109

Teaching Assistant: 陳佳茵0911099763; joanna603063@gmail.com

Grading: 1st (50%), 2nd (50%)

Date	Content	Lecturer
3/2	Preparation 停課一次，另行補課	王慧菁
3/9 Zoom	Introduction- The microbial world Virology I SARS-CoV2 outbreak	王慧菁
3/16 Zoom	Virology II (遠距同步)	王慧菁
3/23 Zoom	Microbial metabolism and growth (chap 8/9) (遠距同步)	王慧菁
3/30	Mechanisms of microbial genetics (chap 10-12)	王慧菁
4/6	校際活動週，停課一次。	王慧菁
4/13	Microbial pathogenicity and antimicrobial drugs (chap 14/15)	王慧菁
4/20	Midterm Exam (Microbiology)	
4/27	Innate immunity	李政昇
5/4	Specific acquired immunity	李政昇
5/11	Membrane receptors for antigen	李政昇
5/18	Lymphocyte activation	李政昇
5/25	The production of effectors	李政昇
6/1	The regulation of the immune response	李政昇
6/8	Vaccine & Immunodeficiency	李政昇
6/15	Immunotherapy	李政昇
6/ 22	Final Exam (Immunology)	