

Medical Microbiology and Immunology - 王慧菁(Microbiology), 李政昇(Immunology)

Textbook:

1. 微生物 (王慧菁)

Precott's Principles of Microbiology, 2nd Edition (藝軒出版社, ISBN 978-1-260-57555-2)
課堂及考試必用教科書, 請提前購買

2. 免疫學 (李政昇)

主要用書: Janeway's Immunobiology, 9th edition (藝軒出版社, ISBN:9780815345510)
補充用: Roitt's Essential Immunology, 13th edition (藝軒出版社, ISBN:9781118415771)

Time: Monday, M6-8

Classroom: 生二 109

Teaching Assistant: TBD

Grading: 王慧菁 (50%), 李政昇 (50%, 包含期末考30%, 期中作業10%, 課堂參與10%)

Date	Content	Lecturer
02/22	Introduction to Microbiology Chapter 1: The Evolution of Microorganisms and Microbiology (不考) Chapter 3: Bacterial and Archaeal Cell Structure (考) Chapter 5: Bacterial and Archaeal Growth (考)	王慧菁
03/01	補假	王慧菁
03/08	The diversity of the Microbial World (考) Chapter 13: Gram-positive bacteria Chapter 14: Proteobacteria Chapter 15: Nonproteobacterial Gram-Negative Bacteria Chapter 17: Eukaryotic Microbes	王慧菁
03/15	Chapter 18: Viruses and other acellular infectious agents (考)	王慧菁
03/22	Ecology and Symbiosis Chapter 19: Microbial interactions Host Defense and Pathogenicity Chapter 24: The Human Microbiome and Host Interactions Chapter 25: Infection and Pathogenicity (考)	王慧菁
03/29	Applied Microbiology Chapter 27: Control of Microorganisms in the Environment Chapter 28: Antimicrobial Chemotherapy (考) Chapter 29: Microbiology of Food Chapter 30: Industrial and Environmental Microbiology	王慧菁
04/05	清明節	王慧菁
04/12	Methods in Microbiology Chapter 31: Microbial DNA technologies (考) Chapter 32: Microbial Genomics Chapter 33: Methods in Microbial Biology (考) Chapter 34: Clinical Microbiology	王慧菁

04/19	期中考	王慧菁
04/26	An introduction to immunology	李政昇
05/03	Innate immunity	李政昇
05/10	Antigen recognition by B-cell and T-cell receptors	李政昇
05/17	Generation of lymphocyte antigen receptors	李政昇
05/24	Development of lymphocytes	李政昇
05/31	T cell-mediated immunity	李政昇
06/07	Humoral immune response	李政昇
06/14	端午節	李政昇
06/21	期末考	李政昇