

114-1 Fundamentals of Infectious Diseases and Microbial Research 傳染性疾病與微生物研究導論 (2025 Fall)

開課時間、學分與地點：碩一上學期星期四 3~4 節(2 學分)

地點：醫學院 302D 教室

課程負責人：王憲威(swwang@mail.ncku.edu.tw，分機:4218)、

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Course Description/Objective : This course addresses the general background of infectious diseases and the research principles of pathogenic microorganisms. 此課程介紹傳染性疾病概念以及微生物病原的研究方法，使學生對傳染性疾病以及其致病微生物病原的研究與方法有概括性的了解。

Course Materials :

Grading Criteria : Attendance (20%)、Midterm exam.(40%)、Final exam.(40%)



No.	Date	Topic	Lecturer
1	9/11	Introduction to bacterial physiology	橋本昌征
2	9/18	Principle of bacterial molecular genetics	鄧景浩
3	9/25	Microbiomes and cancer: from pathogenesis to therapy	黃湘琦
4	10/02	Long COVID and the human microbiome	黃湘琦
5	10/09	Principles and utility viral database and viral replicon technology	王憲威
6	10/16	Virus isolation, cultivation, and identification	王憲威
7	10/23	Recombinant viral technology	王憲威
8	10/30	Gene therapy and vaccine development	王憲威
9	11/06	Midterm exam	鄧景浩/王憲威
10	11/13	Principle of clinical study	張定宗
11	11/20	Respiratory tract infection	王世敏
12	11/27	Central nervous system infection	李南瑤
13	12/04	Infection in the immunocompromised host	張家銘
14	12/11	Sepsis	柯文謙
15	12/18	Cardiovascular system infections	金憲國
16	1/08	Final exam	鄧景浩/王憲威