

微生物及免疫學

護理學系 2015

2015.09.26

上課地點：208 教室

上課時間：週一 9:10 – 11:00 a.m.；週四 8:10 – 10:00 a.m.

實驗地點：四樓實驗室

實驗時間：週四 10:10 – 12:00 a.m.

參考書：(1) 最新醫用微生物學上、下二冊. 2005 年第四版. 陳豪勇等編譯 (Murray)，藝軒書局。
(2) 免疫系統 (The Immune System) 2006 第 2 版. Peter Parham，黎煥耀譯，偉明圖書公司。

課程負責人：黃一修老師；辦公室：82-1020；電話：5582；email：ihsiuhuang@mail.ncku.edu.tw

課程表請上網查詢，網址：<http://140.116.60.1/lin5612/course/schedule/n104.doc>

| No. | Date | Topic | Lecturer |
|-----|---------|--|----------|
| 1. | 9/14 一 | Elements of the immune system and their roles in defense | 凌 斌 |
| 2. | 9/17 四 | Antibody structure and the generation of B cell diversity Lab: Video– The immune system, Antibody structure and the generation of diversity Tetanus immunity workbook | 凌 斌 |
| 3. | 9/21 一 | The development of B and T lymphocytes | 張志鵬 |
| 4. | 9/24 四 | T-cell and antibody mediated immunities Lab: Video– Cellular mechanisms of the immune response Tetanus immunity workbook | 張志鵬 |
| 5. | 10/1 四 | Over-reactions of the immune system Lab: Video–Infectious diseases Tetanus immunity workbook | 王志堯 |
| 6. | 10/5 一 | Manipulation of the immune response | 王志堯 |
| 7. | 10/8 四 | The body's defenses against infection Lab: Video– Understanding: Bacteria | 王崇任 |
| 8. | 10/12 一 | Disruption of healthy tissue by the immune response | 王崇任 |
| 9. | 10/15 四 | Exam. I (8:40 – 10:10 a.m. 四樓實驗室) | |
| 10. | 10/19 一 | Introduction of microbiology & Microbial structure | 黃一修 |
| 11. | 10/22 四 | Microbial physiology and genetics Lab: General instruction and check in bacteria in environment; hand washing; cough plate and throat culture | 陳振暉 |
| 12. | 10/26 一 | Pathogenesis of infectious diseases | 黃一修 |

13. 10/29 四 Sterilization and chemotherapy 王淑鶯
Lab: Simple stain and Gram stain; Inoculation of culture media
14. 11/2 一 Pyogenic cocci (*Staphylococcus*, *Streptococcus*, and *Neisseria*) <1> 王淑鶯
15. 11/5 四 Pyogenic cocci (*Staphylococcus*, *Streptococcus*, and *Neisseria*) <2> 王淑鶯
Lab: Action of antibiotics on bacteria;
Action of physical and chemical agents on microorganisms
16. 11/9 一 台灣的防疫工作 何宗憲
17. 11/12 四 Enterobacteriaceae 黃一修
Lab: Identification of Enterobacteriaceae
18. 11/16 一 *Vibrio*, *Helicobacter*, and *Pseudomonas* 陳振暉
19. 11/19 四 Mycology (8:10-10:00 a.m. 208 教室) 王德華
Lab: Biochemical activities of pyogenic cocci
Bacteriological examination of milk
20. 11/23 一 *Mycobacteria*, *Nocardia* & *Actinomyces* 余俊強
21. 11/26 四 Small G (-) bacilli & *Legionella* 余俊強
Lab: Acid-fast stain
22. 11/30 一 Bacillus and anaerobic bacteria 陳振暉
23. 12/3 四 **Exam. II (8:40 – 10:10 a.m. 四樓實驗室)**
24. 12/7 一 *Mycoplasma*, *Chlamydia* & *Cornynebacterium* 余俊強
25. 12/10 四 *Spirochetes* & *Rickettsia* 余俊強
Lab: Anaerobic culture and spore stain
26. 12/14 一 Viral characterization and classification 劉校生
27. 12/17 四 Viral replication and viral genetics 劉校生
Lab: Video– Understanding: viruses
28. 12/21 一 Papovaviruses and adenoviruses 劉校生
29. 12/24 四 Orthomyxoviruses, paramyxoviruses, and coronaviruses 彭貴春
Lab: Polydrosis of the AcMNPV baculovirus
30. 12/28 一 Herpesviruses, poxviruses, and parvoviruses 彭貴春
31. 12/31 四 Picornaviruses, reoviruses, and rhabdoviruses 彭貴春
Lab: Bacteriophage plaque observation and count
32. 1/4 一 Togaviruses, flaviviruses, and bunyaviruses 彭貴春
33. 1/7 四 Retroviruses, hepatitis virus, miscellaneous viruses, and prions 彭貴春
34. 1/14 四 **Final Exam. (08:40 – 10:10 a.m. 四樓實驗室)**
Lab. Exam. (10:10 – 11:30 a.m. 四樓實驗室)