

系所課程地圖 Department Curriculum Map

系所概要 Department	
系所名稱 Department Name	微生物暨公共衛生學研究所 Graduate Institute of Microbiology and Public Health (GIMPH)
班別 Division	◎ 博士班(微生物組與公共衛生組) Ph. D. (Microbiology and Public Health Division)

教育目標 Education Goals	編號 Number	項目內容 Content	
	A	培養獸醫微生物之相關人材，藉以提昇國內獸醫病原診斷技術與動物疾病防疫之水準，並加速生物技術研究成果之產業化。 To cultivate professionals in veterinary microbiology to improve the diagnostics as well as the control and prevention of animal infectious diseases and accelerate the commercialization of biotechnology research results.	
	B	培養獸醫公共衛生研究與行政之相關人才，藉以保障國人建康與食品衛生安全。 To foster professionals in the research and administration of veterinary public health to ensure national health and food safety.	
	C	培育具有獨立研究與創新研發能力之教育與研究人員。 To cultivate educational staff and researchers with independent research and innovative R&D capabilities.	
學生核心能力 Student Core Competencies	編號 Number	項目內容 Content	對應之教育目標編號 Corresponding Number of the Education Goal
	A	微生物學與公共衛生學之專業知識。 Professional knowledge in microbiology and public health.	ABC
	B	微生物學、公共衛生學、生物化學與分子生物學與之實驗操作技術。 The ability to conduct experiments in microbiology, public health, biochemistry, and molecular biology research.	ABC
	C	中英文科技文獻之閱讀能力。 The ability to read research articles in both English and Chinese.	ABC
	D	邏輯思考與對實驗結果之批判能力。 The ability to think logically and critically about experimental results.	ABC
	E	獨立思考、創新研發與終身學習之能力。 The ability for independent thinking, innovational R&D, and lifelong learning.	ABC

※附註 Note：

- 各系所所屬之班別，含學士班、碩士班、博士班等，請分別填寫。 1. Complete the map separately for each division, including Bachelor's, Master's, and Doctoral program.
例如：資管學士班需填寫表二及表三；資管碩士班也須填寫表二及表三。 For example, Forms 2 and 3 must be completed for Bachelor's program in Management Information Systems, and also for Master's program in for Bachelor's program in Management Information Systems.
- 教育目標及核心能力之代號皆以英文字母大寫為主。 2. Codes for Education Goals and Core Competencies must be in uppercase English alphabet letters.
- 可依不同班（組）別填寫教育目標及核心能力。 3. Education Goals and Core Competencies can be specific to the division in question.

單位主管簽章：
Head of Planning Division

承辦人簽章：
Signature of Responsible Person

113 年 8 月 20 日
Date

課程規劃表 Curriculum Plan

◎規劃單位：微生物暨公共衛生學研究所 Graduate Institute of Microbiology and Public Health (GIMPH)

課程名稱 Course Title	規劃要點 (附註) Plans (Notes)				對應核心 能力編號 Corresponding Education Goal Number	開課單位 Course Offering Unit	備註 Remarks
	1	2	3	4			
院核心課程 (若無免填) College Core Courses (not required if none)							
(中文) (Eng)							
必修課程 Required Courses							
(中文) 專題討論-微生物組(一) (Eng) Seminar in Veterinary Microbiology (I)	D	C	Y	2	A20 B20 C20 D20 E20	微衛所 微生物組 GIMPH (Microbiology Division)	一全年 First grade
(中文) 專題討論-微生物組(二) (Eng) Seminar in Veterinary Microbiology (II)	D	C	Y	2	A20 B20 C20 D20 E20	微衛所 微生物組 GIMPH (Microbiology Division)	二全年 Second grade
(中文) 博士論文 (Eng) Dissertation	D	C	Y	12	A20 B20 C20 D20 E20	微衛所微 生物組 GIMPH (Microbiology Division)	二全年 Second grade
(中文) 專題討論 -公共衛生組(一) (Eng) Seminar in Veterinary Public Health (I)	D	C	Y	2	A20 B20 C20 D20 E20	微衛所公 衛組 GIMPH (Public Health Division)	一全年 First grade
(中文) 專題討論 -公共衛生組(二) (Eng) Seminar in Veterinary Public Health (II)	D	C	Y	2	A20 B20 C20 D20 E20	微衛所公 衛組 GIMPH (Public Health Division)	二全年 Second grade
(中文) 博士論文 (Eng) Dissertation	D	C	Y	12	A20 B20 C20 D20 E20	微衛所公 衛組 GIMPH (Public Health Division)	二全年 Second grade

※附註：規劃要點填表說明：(1 到 4 各欄位請填正確代表字母) Note: Instructions for completing this form are provided below (please provide the correct English alphabet letters in fields 1 to 4)

1：U-學士課程、M-碩士課程、D-博士課程。 1: U-Bachelor's program, M-Master's program, D-Doctoral program.

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4：科目 (全期或全年) 總學分數 (請填阿拉伯數字)。 4: Total course (full-semester or full-year) credits (in Arabic numerals).

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	1	2	3	4				
選修課程 Elective Courses								
(中文) 病毒致病機轉 (Eng) Viral Pathogenesis	D	A	S	2	A25 B15 C20 D25 E15	微衛所 微生物組 GIMPH (Microbiology Division)	一下 Spring semester of first grade	
(中文) 分子細菌學文獻探討(一) (Eng) Review of Literature in Molecular Bacteriology (I)	D	A	Y	2	A20 B10 C30 D20 E20	微衛所 微生物組 GIMPH (Microbiology Division)	一全年 First grade	
(中文) 分子細菌學文獻探討(二) (Eng) Review of Literature in Molecular Bacteriology (II)	D	A	Y	2	A20 B10 C30 D20 E20	微衛所 微生物組 GIMPH (Microbiology Division)	二全年 Second grade	
(中文) 細胞免疫學特論 (Eng) Special Topics in Cellular Immunology	D	A	S	2	A15 B20 C25 D20 E20	微衛所 微生物組 GIMPH (Microbiology Division)	一上 Fall semester of first grade	
(中文) 分子病毒文獻探討(一) (Eng) Seminar in Molecular Virology (I)	D	A	Y	2	A20 B25 C20 D20 E15	獸醫所 Dept. of Veterinary Medicine	一全年 First grade	
(中文) 分子病毒學文獻探討(二) (Eng) Seminar in Molecular Virology (II)	D	A	Y	2	A20 B20 C25 D15 E20	獸醫所 Dept. of Veterinary Medicine	二全年 Second grade	

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(中文) 傳染病致病機轉特論 (Eng) Special Topics on Pathogenesis of Infectious Diseases	D	A	S	2	A25 B15 C30 D20 E10	微衛所 公衛組 GIMPH (Public Health Division)	一上 Fall semester of first grade
(中文) 病媒傳染病學特論 (Eng) Special Topics on Vector-borne Diseases	D	A	S	2	A20 B20 C20 D20 E20	微衛所 公衛組 GIMPH (Public Health Division)	一下 Spring semester of first grade
(中文) 高等人畜共通傳染病學 (Eng) Advanced Zoonoses	D	A	S	2	A30 B10 C20 D20 E20	微衛所 公衛組 GIMPH (Public Health Division)	一上 Fall semester of first grade
(中文) 分子流行病學特論 (Eng) Special Topics on Molecular Epidemiology	D	A	S	2	A25 B15 C20 D20 E20	微衛所 公衛組 GIMPH (Public Health Division)	一下 Spring semester of first grade
(中文) 專題研究(一) (Eng) Research in Veterinary Public Health (I)	D	C	Y	4	A15 B25 C20 D20 E20	微衛所 公衛組 GIMPH (Public Health Division)	一全年 First grade
(中文) 專題研究 (二) (Eng) Research in Veterinary Public Health (II)	D	C	Y	4	A15 B25 C20 D20 E20	微衛所 公衛組 GIMPH (Public Health Division)	二全年 Second grade

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(中文) 生物科學領域之學術寫作技巧 (Eng) Academic writing skills in the biological sciences	D	A	S	2	A20 B20 C20 D20 E20	微衛所 微生物組 GIMPH (Microbiology Division)	一下 Spring semester of first grade

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