

國立清華大學 112 學年第 2 學期新開課程課程大綱

科號 Course Number	11220THSM229000	學分 Credit	1	人數限制 Class Size	25
中文名稱 Course Title	公共衛生與流行病學				
英文名稱 Course English Title	Public health and epidemiology				
任課教師 Instructor	蘇家彬				
上課時間 Time	依排課時間	上課教室 Room	育成 320 室		

課程簡述(必填)(最多 500 個中文字) 本欄位資料會上傳教育部課程網
Brief Course Description (required) (50-200 words if possible, up to 1000 letters)

本課程包含目前公共衛生的幾個重要領域，包括公共衛生總論、健康照護制度、社區衛生、健康保險、衛生政策與管理、職業安全與環境衛生、健康促進與國際衛生等。而流行病學是了解疾病或健康行為的分布或決定因子的基礎學科，本課程亦介紹流行病學的幾個基本觀念，包括基本流行病學測量、流行病學研究設計，流行病學分析策略，以及特定主題之流行病學。另外針對醫師臨床流行病學相關文獻與研究設計，也會加以介紹。教學目標除使學生對於公共衛生與流行病學有基本概念，通過國家考試之外，另外希望使學生對公共衛生與流行病學相關議題有更深入的瞭解，將來考慮相關進修。且在臨床醫療實務中能與公衛單位促進互相了解合作，正確解讀相關文獻並應用於實際工作。

This course covers several important areas of public health, including an overview of public health, healthcare systems, community health, health insurance, health policy and management, occupational safety and environmental health, health promotion, and international health. Epidemiology is the fundamental science for understanding the distribution and determinants of diseases or health behaviors. This course also introduces several key concepts in epidemiology, including basic epidemiological measurements, epidemiological study designs, epidemiological analysis strategies, and epidemiology related to specific topics. In addition, clinical epidemiology relevant to physicians, including literature review and research design, will also be discussed. The teaching objectives are not only to provide students with basic concepts of public health and epidemiology, but also to deepen their understanding of relevant issues in public health and epidemiology, with the possibility of future further studies. Furthermore, the course aims to equip students with the ability to collaborate and communicate effectively with public health agencies in clinical practice, correctly interpret relevant literature, and apply it to their work.

請輸入課程內容「中文暨英文關鍵字」至少 5 個，每個關鍵字至多 20 個中文，以半形逗點分隔 (必填)

Please fill in at least 5 course keywords (up to 40 letters for each keyword) and use commas to separate them.(required)

公共衛生,健康照護制度,衛生行政,職業衛生,流行病學,世代研究,個案對照研究,健康服務評估

Public health, Health care system, Health administration, Occupational health, Epidemiology, Cohort studies, Case-control studies, Health services evaluation

一、課程說明	<p>本課程將著重在系統性的介紹公共衛生與流行病學，讓同學對於相關知識有所認識，除了通過國家考試外，也可以在未來實際應用於臨床醫療工作或相關的課程中。</p> <p>This course will focus on providing a systematic introduction to public health and epidemiology, enabling students to acquire a fundamental understanding of related knowledge. In addition to preparing for national board examinations, this knowledge can also be applied in future clinical medical practice or related courses.</p>			
二、指定用書	<p>1. Epidemiology, by L. Gordis, Elsevier/Saunders. 2. 公共衛生學，(上中下冊)，陳拱北預防醫學基金會主編：巨流出版社。</p>			
三、參考書籍	<p>1. 流行病學：原理與方法，陳建仁：聯經出版公司 2. 因果螺旋：跨越時空的探索與思辨，陳建仁：圓神出版社</p>			
四、教學方式	課堂教學			
五、教學進度	Week	日期	授課	授課教師
	1	1/30	公共衛生導論 (2hrs) Introduction to public health 衛生行政與政策 Health administration and policy 社區衛生 Community health	蘇家彬老師
	2	2/20	職業醫學與環境衛生 (2hrs) Occupational medicine and environmental health	吳政龍老師
	3	2/21	國際衛生 (2hrs)Global health	連加恩老師

	4	2/27	健康照顧體系 (3hrs) Health care system 健康保險 Health insurance 醫院組織與管理 Hospital structure and management	蘇家彬老師
	5	3/5	流行病學基本概念(3hrs) Introduction to epidemiology 疾病發生的測量 Measures of disease occurrence 篩檢與診斷 Diagnostic and screening tests 風險估計與分析 Estimating risk and analysis	蘇家彬老師
	6	3/12	流行病學研究方法:世代研究、個案對照研究與其他 (3hrs) Epidemiological research methods: Cohort studies, case-control studies and others 因果推論 Causal inference 偏誤、干擾與交互作用 Bias, confounding and interaction	蘇家彬老師
	7	3/19	期末考 (1hr) Exam	助教
六、成績考核	50%筆試，30%書面報告，20%平時成績(含出席率與討論)。			
七、可連結之網頁位址(相關網頁)				