

國立清華大學 114 學年課程課程大綱

科號 Course Number	11420LSBS567900	學分 Credit	1	人數限制 Class Size	0
中文名稱 Course Title	生物資訊與結構生物特論				
英文名稱 Course English Title	Special topics in bioinformatics and structural biology				
任課教師 Instructor	陳子福 葉善茹 劉懿璇				
上課時間 Time	Fa (寒假期間 2/3-2/6 連續上課)	上課教室 Room	LSII R117 秉乾講堂		

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)

The course is a three-day event that brings together faculty, postdoctoral fellows and graduate students from the institute of bioinformatics and structural biology. It contains oral presentations and poster sessions that encourages an interactive exchange of research in each lab, and provides opportunities for young researchers to improve presentation skills.

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)

Bioinformatics, Biophysics, Molecular virology, Phamacoproteomics, Computational biology, Vascular biology, Structural Biology, Plant physiology
生物資訊，生物物理，分子病毒學，藥物基因體學，計算生物學，心血管生物學，結構生物、植物物理

一、課程說明	This class will introduce every aspect of structural biology and bioinformatics. We will discuss fundamental knowledge and state-of-the-art applications of bioinformatics, computational modeling and protein structure determination. In addition, to broaden participants' horizon, new technologies in plant science and vascular biology will also be addressed.
二、指定用書	
三、參考書籍	Selected papers from high-rank journals and research reports from individual group.

	Day 3 (Feb. 05, 2026) 9:00-11:00 出發 11:00-12:00 分組及個人介紹 12:00-13:00 午餐 13:00-17:00 田野調查及小組競賽 17:00-21:00 晚餐及討論 (活動將依天氣調整) Day 4 (Feb. 06, 2026) 8:00 -9:00 早餐 9:00 -12:00 田野調查 12:00 午餐及賦歸 (活動將依天氣調整)
六、成績考核	Faculty members serve as judges to grade in the oral and poster contests.
七、可連結之網頁 位址(相關網頁)	