

系所課程地圖 Department Curriculum Map

系所概要 Department	
系所名稱 Department Name	生物化學研究所 Institute of Biochemistry
班別 Division	博士班 Doctoral Program

教育目標 Education Goals	
編號 Number	項目內容 Content
A	培養具備獨立思考的生化科技專業人才 Develop professionals with independent thinking in biochemical science and technology
B	培養具備紮實生化科技基礎的人才 Build a strong foundation in biochemical science and technology
C	培養具備熟練生化專業表達技巧的科技人才 Enhance communication skills in the field of biochemistry
D	培養具備解決跨領域科技專業問題能力的人才 Train individuals to solve interdisciplinary scientific and technological problems

學生核心能力 Student Core Competencies		
編號 Number	項目內容 Content	對應教育目標編號 Corresponding Education Goal Number
A	問題分析與邏輯推理 Problem analysis and logical reasoning	A.B
B	專業知能 Professional expertise	B
C	溝通技巧 Communication skills	C
D	提出與解決問題 Problem-solving abilities	D

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承辦人簽章 Signature of Responsible Person:

規劃單位主管簽章 Head of Planning Division:

年 月 日 Date:

生物化學研究所 博士班 Graduate Institute of Biochemistry, Doctoral Program
課程規畫表 Curriculum Plan

中文課程名稱 Course Title in Chinese	英文課程名稱 Course Title in English	規劃要點(附註) Plans (Notes)				對應核心能力編號 Corresponding Education Goal Number	建議修課年級 Recommended Course Division	開課單位 Course Offering Unit	備註 Remarks
		1	2	3	4				
院核心課程(若無免填, 請加註必修、選修) College Core Courses (not required if none, otherwise please indicate Required Courses and Elective Courses)									
必修課程 Required Courses									
生物化學專題討論(五)	Seminar on Biochemistry V	D	C	S	1	C	博一 PhD 1st year	生化所 IBC	
生物化學專題討論(六)	Seminar on Biochemistry VI	D	C	S	1	C	博一 PhD 1st year	生化所 IBC	
生物化學專題討論(七)	Seminar on Biochemistry VII	D	C	S	1	C	博二 PhD 2nd year	生化所 IBC	
生物化學專題討論(八)	Seminar on Biochemistry VIII	D	C	S	1	C	博二 PhD 2nd year	生化所 IBC	
高等生化特論(一)	Special Topics in Advanced Biochemistry I	D	A	S	3	A.B	博一 PhD 1st year	生化所 IBC	
高等生化特論(二)	Special Topics in Advanced Biochemistry II	D	A	S	3	A.B	博一 PhD 1st year	生化所 IBC	
高等生化特論(三)	Special Topics in Advanced Biochemistry III	D	A	S	3	A.C.D	博二 PhD 2nd year	生化所 IBC	
博士畢業論文	Dissertation	D	C	Y	12	A.C.D		生化所 IBC	

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選修課程									
生物化學與轉譯科學新知與討論(一)	Current Topics in Biochemistry and Translational Science (I)	D	A	S	1	B		生化所 IBC	
生物化學與轉譯科學新知與討論(二)	Current Topics in Biochemistry and Translational Science(II)	D	A	S	1	B		生化所 IBC	
生物化學與轉譯科學新知與討論(三)	Current Topics in Biochemistry and Translational Science(III)	D	A	S	1	B		生化所 IBC	
生物化學與轉譯科學新知與討論(四)	Current Topics in Biochemistry and Translational Science(IV)	D	A	S	1	B		生化所 IBC	
植物生物化學	Plant Biochemistry	D	A	S	3	B		生化所 IBC	
基因體與合成生物學	Genomics and Synthetic Biology	D	A	S	3	B		生化所 IBC	
微生物基因表現與調節機制分析	Gene Expression and Regulation of Microbes	D	A	S	3	A.B.C		生化所 IBC	
核酸結構與功能	Structure and Function of Nucleic Acids	D	A	S	3	A.B.C		生化所 IBC	
非轉譯核酸特論	Advanced Topics in Non-coded RNA	D	A	S	3	A.B.C		生化所 IBC	
疫苗發展與製備	Vaccine development and manufacture	D	A	S	3	A.B.C		生化所 IBC	
細胞訊息、運輸與藥物標靶	Cell Signaling, Trafficking, and Their Pharmacological Targeting	D	A	S	3	A.B.C		生化所 IBC	

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