

亞洲大學 醫學檢驗暨生物技術學系 雙主修課程規劃表

Double Major Program Curriculum Plan for Department of Medical Laboratory Science and Biotechnology ,Asia University

應修總學分：106 學分

校課程委員會通過次別：1133

Total Credits Required：106

Approved in the 1133 University Curriculum Committee meeting

類別 Category	科目名稱 Course Title	英文名稱 English Title	修課年 級 Year of the Program	修課學 期 Semester	學分 數 Credits	每週上課時數 Hours per week			備註(中文) Remarks (in Chinese)	備註(英文) Remarks (in English)
						講授 Lecture	實作(驗) Practice (laboratory)	實習 Intern		
(4) 院 核心課程 4 學分 College Core Courses	生物統計學	Biostatistics	一 1 st	下 2 nd	2	2	0	0		
	生理學	Physiology	三 3 rd	上 1 st	2	2	0	0		
(7 6) 系 核心課程 76 學分 Departmental Core Courses	實驗室安全	Laboratory Safety	一 1 st	上 1 st	1	1	0	0		
	普通化學	General Chemistry	一 1 st	上 1 st	2	2	0	0		
	普通化學實驗	General Chemistry Laboratory	一 1 st	上 1 st	1	0	3	0		
	普通生物學 (一)	General Biology (I)	一 1 st	上 1 st	2	2	0	0		
	普通生物學實驗	General Biology Laboratory	一 1 st	上 1 st	1	0	3	0		

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						講授 Lecture	實作(驗) Practice (laboratory)	實習 Intern		
	有機化學	Organic Chemistry	一 1 st	下 2 nd	2	2	0	0		
	有機化學實驗	Organic Chemistry Laboratory	一 1 st	下 2 nd	1	0	3	0		
	組織學	Histology	一 1 st	下 2 nd	1	1	0	0		
	組織學實驗	Histology Laboratory	一 1 st	下 2 nd	1	0	3	0		
	寄生蟲學	Parasitology	一 1 st	下 2 nd	2	2	0	0		
	寄生蟲學實驗	Parasitology Laboratory	一 1 st	下 2 nd	1	0	3	0		
	生物技術概論	Introduction Of Biotechnology	一 1 st	下 2 nd	1	1	0	0		
	解剖學	Human Anatomy	二 2 nd	上 1 st	1	1	0	0		
	解剖學實驗	Human Anatomy Laboratory	二 2 nd	上 1 st	1	0	3	0		
	分析化學與儀器分析	Analytical Chemistry & Instrumental Analysis	二 2 nd	上 1 st	2	2	0	0		
	醫學遺傳學	Medical Genetics	二 2 nd	上 1 st	2	2	0	0		
	生物化學 (一)	Biochemistry (I)	二 2 nd	上 1 st	2	2	0	0		

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						講授 Lecture	實作(驗) Practice (laboratory)	實習 Intern		
	生物化學實驗	Biochemistry Laboratory	二 2 nd	上 1 st	1	0	3	0		
	微生物學	Microbiology	二 2 nd	上 1 st	2	2	0	0		
	分子生物學	Molecular Biology	二 2 nd	上 1 st	2	2	0	0		
	分子與細胞生物學實驗	Molecular and Cell Biology Laboratory	二 2 nd	上 1 st	1	0	3	0		
	細胞生物學	Cell Biology	二 2 nd	上 1 st	2	2	0	0		
	細胞診斷及病理切片技術	Diagnostic Cytology and Pathologic Section Techniques	二 2 nd	下 2 nd	1	1	0	0		
	細胞診斷及病理切片技術實驗	Diagnostic Cytology and Pathologic Section Techniques Experiment	二 2 nd	下 2 nd	1	0	3	0		
	免疫學	Immunology	二 2 nd	下 2 nd	2	2	0	0		
	微生物及免疫學實驗	Microbiology and Immunology Laboratory	二 2 nd	下 2 nd	1	0	3	0		
	生物化學(二)	Biochemistry (II)	二 2 nd	下 2 nd	2	2	0	0		
	血液學	Hematology	二 2 nd	下 2 nd	2	2	0	0		
	血液學實驗	Hematology Laboratory	二 2 nd	下 2 nd	1	0	3	0		

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						講授 Lecture	實作(驗) Practice (laboratory)	實習 Intern		
	血庫學	Blood Banking	二 2 nd	下 2 nd	2	2	0	0		
	血庫學實驗	Blood Banking Laboratory	二 2 nd	下 2 nd	1	0	3	0		
	臨床血液學	Clinical Hematology	三 3 rd	上 1 st	2	2	0	0		
	臨床血液學實驗	Clinical Hematology Laboratory	三 3 rd	上 1 st	1	0	3	0		
	臨床生化學	Clinical Biochemistry	三 3 rd	上 1 st	3	3	0	0		
	臨床生化學實驗	Clinical Biochemistry Laboratory	三 3 rd	上 1 st	1	0	3	0		
	臨床血清免疫學	Clinical Serology and Immunology	三 3 rd	上 1 st	2	2	0	0		
	臨床血清免疫學實驗	Clinical Serology and Immunology Laboratory	三 3 rd	上 1 st	1	0	3	0		
	臨床鏡檢學	Clinical Microscopy	三 3 rd	上 1 st	2	2	0	0		
	臨床鏡檢學實驗	Clinical Microscopy Laboratory	三 3 rd	上 1 st	1	0	3	0		
	醫技專題討論(一)	Seminar in Laboratory Science-I	三 3 rd	上 1 st	1	1	0	0		
	病理學	Pathology	三 3 rd	下 2 nd	3	3	0	0		

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						講授 Lecture	實作(驗) Practice (laboratory)	實習 Intern		
	臨床微生物學	Clinical Microbiology	三 3 rd	下 2 nd	3	3	0	0		
	臨床微生物學實驗	Clinical Microbiology Laboratory	三 3 rd	下 2 nd	1	0	3	0		
	臨床病毒學	Clinical Virology	三 3 rd	下 2 nd	3	3	0	0		
	臨床生理學	Clinical Physiology	三 3 rd	下 2 nd	3	3	0	0		
	醫學分子檢驗學	Molecular Diagnosis in Medicine	三 3 rd	下 2 nd	2	2	0	0		
	醫技專題討論(二)	Seminar in Laboratory Science-II	三 3 rd	下 2 nd	1	1	0	0		
	臨床生理學實驗	Physiology Laboratory	三 3 rd	下 2 nd	1	0	3	0		
clinical medical examination course(26) 臨床醫檢學程 26 學分	*臨床鏡檢學實習	Clinical Microscopy Practice	四 4 th	上、下 1 st , 2 nd	3	0	0	詳見備註 See remarks for details	實務型課程，需實習 120 小時；根據考選部規範，報考醫事檢驗師者，需完成修讀此課程。欲修讀者，本系另有修讀規範。	This practical course requires 120 hours of internship. According to the Ministry of Examination standards, those who apply for the <i>Medical Technologist</i> examination must complete this course. The department has separate study regulations for those who wish to take the course.
	*臨床生理學實習	Practice in clinical physiology practice	四 4 th	上、下 1 st , 2 nd	2	0	0	詳見備註 See remarks for details	實務型課程，需實習 80 小時；根據	This practical course requires 80 hours of internship.

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						講授 Lecture	實作(驗) Practice (laboratory)	實習 Intern		
									考選部規範，報考醫事檢驗師者，需完成修讀此課程。欲修讀者，本系另有修讀規範。	According to the Ministry of Examination standards, those who apply for the <i>Medical Technologist</i> examination must complete this course. The department has separate study regulations for those who wish to take the course.
	*臨床生化學實習	Clinical Biochemistry Practice	四 4 th	上、下 1 st , 2 nd	3	0	0	詳見備註 See remarks for details	實務型課程，需實習 120 小時；根據考選部規範，報考醫事檢驗師者，需完成修讀此課程。欲修讀者，本系另有修讀規範。	This practical course requires 120 hours of internship. According to the Ministry of Examination standards, those who apply for the <i>Medical Technologist</i> examination must complete this course. The department has separate study regulations for those who wish to take the course.
	*臨床血液學實習	Clinical Hematology Practice	四 4 th	上、下 1 st , 2 nd	2	0	0	詳見備註 See remarks for details	實務型課程，需實習 80 小時；根據考選部規範，報考醫事檢驗師者，需完成修讀此課程。欲修讀者，本系另有修讀規範。	This practical course requires 80 hours of internship. According to the Ministry of Examination standards, those who apply for the <i>Medical Technologist</i> examination must complete this course. The department has separate study

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						講授 Lecture	實作(驗) Practice (laboratory)	實習 Intern		
										regulations for those who wish to take the course.
	*臨床微生物學實習	Clinical Microbiology Practice	四 4 th	上、下 1 st , 2 nd	4	0	0	詳見備註 See remarks for details	實務型課程，需實習 160 小時；根據考選部規範，報考醫事檢驗師者，需完成修讀此課程。欲修讀者，本系另有修讀規範。	This practical course requires 160 hours of internship. According to the Ministry of Examination standards, those who apply for the <i>Medical Technologist</i> examination must complete this course. The department has separate study regulations for those who wish to take the course.
	*臨床血清免疫學實習	Clinical Serology & Immunology Practice	四 4 th	上、下 1 st , 2 nd	2	0	0	詳見備註 See remarks for details	實務型課程，需實習 80 小時；根據考選部規範，報考醫事檢驗師者，需完成修讀此課程。欲修讀者，本系另有修讀規範。	This practical course requires 80 hours of internship. According to the Ministry of Examination standards, those who apply for the <i>Medical Technologist</i> examination must complete this course. The department has separate study regulations for those who wish to take the course.
	*臨床病毒學實習	Clinical Virology Practice	四 4 th	上、下 1 st , 2 nd	1	0	0	詳見備註 See remarks for details	實務型課程，需實習 40 小時；根據考選部規範，報考醫事檢驗師者，需完成修讀此課程。欲修讀者，本	This practical course requires 40 hours of internship. According to the Ministry of Examination standards, those who apply for the

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						講授 Lecture	實作(驗) Practice (laboratory)	實習 Intern		
									系另有修讀規範。	<i>Medical Technologist</i> examination must complete this course. The department has separate study regulations for those who wish to take the course.
	*醫學分子檢驗實習	Molecular Diagnosis in Medicine and Practice	四 4 th	上、下 1 st , 2 nd	1	0	0	詳見備註 See remarks for details	實務型課程，需實習 40 小時；根據考選部規範，報考醫事檢驗師者，需完成修讀此課程。欲修讀者，本系另有修讀規範。	This practical course requires 40 hours of internship. According to the Ministry of Examination standards, those who apply for the <i>Medical Technologist</i> examination must complete this course. The department has separate study regulations for those who wish to take the course.
	*血庫學實習	Blood Banking Practice	四 4 th	上、下 1 st , 2 nd	1	0	0	詳見備註 See remarks for details	實務型課程，需實習 40 小時；根據考選部規範，報考醫事檢驗師者，需完成修讀此課程。欲修讀者，本系另有修讀規範。	This practical course requires 40 hours of internship. According to the Ministry of Examination standards, those who apply for the <i>Medical Technologist</i> examination must complete this course. The department has separate study regulations for those who wish to take the course.

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						講授 Lecture	實作(驗) Practice (laboratory)	實習 Intern		
	*病理學實習(含病理切片與細胞診斷)	Pathology Practice including Histopathologic & Cytology Practice	四 4 th	上、下 1 st , 2 nd	1	0	0	詳見備註 See remarks for details	實務型課程，需實習 40 小時；根據考選部規範，報考醫事檢驗師者，需完成修讀此課程。欲修讀者，本系另有修讀規範。	This practical course requires 40 hours of internship. According to the Ministry of Examination standards, those who apply for the <i>Medical Technologist</i> examination must complete this course. The department has separate study regulations for those who wish to take the course.
	臨床生理學與病理學總論	General Review on Clinical Physiology and Pathology	四 4 th	下 2 nd	1	1	0	0	實務型課程(選本學程的學生選修)	Practical courses (optional for students choosing this course)
	臨床血液學與血庫學總論	General Review on Clinical Hematology and Blood Banking	四 4 th	下 2 nd	1	1	0	0	實務型課程(選本學程的學生選修)	Practical courses (optional for students choosing this course)
	醫學分子檢驗學與臨床鏡檢學總論	General Review on Molecular Diagnosis and Clinical Microscopy Practice	四 4 th	下 2 nd	1	1	0	0	實務型課程(選本學程的學生選修)	Practical courses (optional for students choosing this course)
	臨床微生物學總論	General Review on Clinical Microbiology	四 4 th	下 2 nd	1	1	0	0	實務型課程(選本學程的學生選修)	Practical courses (optional for students choosing this course)
	臨床生化學總論	General Review on Clinical Biochemistry	四 4 th	下 2 nd	1	1	0	0	實務型課程(選本學程的學生選修)	Practical courses (optional for students choosing this course)
	臨床血清免疫學與臨床病毒學總論	General Review on Clinical Serology & Immunology and Virology	四 4 th	下 2 nd	1	1	0	0	實務型課程(選本學程的學生選修)	Practical courses (optional for students choosing this course)

備註：

- 1.本課程規劃表適用於申請並核准通過後，自 113 學年度起實施之雙主修學生。(含 113 學年度起開始修讀之學生)
- 2.學生應修畢 106 學分需修習院核心課程、本系系核心課程及選修一個本系臨床醫檢學程始能畢業。
- 3.本系學生修課規定，請參閱亞洲大學醫學檢驗暨生物技術學系雙主修修業規定。
- 44 全校跨領域學程網頁介紹，請參考 <http://web.asia.edu.tw/files/13-1000-19862.php?Lang=zh-tw>。

Remarks:

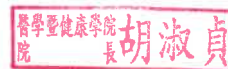
- (1)This curriculum plan applies to students of the Double Major program whose applications have been approved and will take effect starting from the 2024 academic year.
- (2)Students should complete 106 credits of general courses. They must take the school's compulsory courses, core courses of the college, core courses of the department, and one elective " clinical medical laboratory science ".
- (3)For the course regulations for students in this department, please refer to the Double Major Program regulations of the Department of Medical Laboratory Science and Biotechnology, Asia University.
- (4) For an introduction to the Interdisciplinary Course Program webpage, please refer to <http://web.asia.edu.tw/files/13-1000-19862.php?Lang=zh-tw>

系所主管簽章：



(Signature of Department Chair)

學院院長簽章：



(Signature of College Dean)

