

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：105 學分

校課程委員會通過次別：1133

Total Credits Required：105

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 Remarks
						講授 Lecture	實作 (驗) Practice (laboratory)	實習 Intern	
(4) College Core Courses 院核心課程 4 學分	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	
(75) Departmental Core Courses 系核心課程 75 學分	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	
	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	1	1	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	

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						講授 Lecture	實作 (驗) Practice (laboratory)	實習 Intern	
	生物化學（一）	Biochemistry (I)	二 2 nd	上 1 st	2	2	0	0	
	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	
	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	
	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	

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						講授 Lecture	實作 (驗) Practice (laboratory)	實習 Intern	
	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	
臨床醫學課程 26 學分 clinical medical examination course (26)	*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 regulations for those who wish to take the course.

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						講授 Lecture	實作 (驗) Practice (laboratory)	實習 Intern	
	*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.
	*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 Medical Technologist 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 114 學年度起實施之雙主修學生。(含 114 學年度起開始修讀之學生)
- (2)學生應修畢 105 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。
- (4)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 2025 academic year.
- (2)Students should complete 105 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：

醫學檢驗暨
生物技術學系系主任 陳世順

學院院長簽章：

醫學檢驗暨
生物技術學系系主任 吳俊忠

