

中國醫藥大學 健康照護學院物理治療學系 選修畢業學分認定表 113 學年度入學適用

China Medical University Department of Physical Therapy Elective for Undergraduate Majors (Applicable for 2024-2025 Enrollees)

科目名稱 Course Title	修別 Type	學分 Credits	一年級 Freshman		二年級 Sophomore		三年級 Junior		四年級 Senior		課程分類 Category	備註 Remarks
			上	下	上	下	上	下	上	下		
			1	2	1	2	1	2	1	2		
公共衛生學(Introduction of public health)	選(E)	2.0	2.0								臨床醫學選修課程	
生物學(C)(Biology(C))	選(E)	2.0	2.0								系定選修(Departmental Elective Courses)	
安卓程式設計與物理治療(Android programming in physical therapy)	選(E)	2.0	2.0								系定選修(Departmental Elective Courses)	1110320校課程委員會會議通過新增。(New course approved by the University Curriculum Committee on 2022.03.20.)
兒童發展評估學(Development and evaluation of children)	選(E)	2.0	2.0								系定選修(Departmental Elective Courses)	1111019校課程委員會會議通過修改。(Revision approved by the University Curriculum Committee on 2022.10.19.)
物理治療生涯規劃(Career planning in physical therapy)	選(E)	2.0	2.0								系定選修(Departmental Elective Courses)	
物理治療與健康促進(Physical therapy & health promotion)	選(E)	2.0	2.0								系定選修(Departmental Elective Courses)	
物理治療趨勢與新知(一)(Trend & new knowledge in physical therapy (I))	選(E)	2.0	2.0								系定選修(Departmental Elective Courses)	採全英語教學。(Full English Courses.)
微積分(一)(Calculus (I))	選(E)	2.0	2.0								系定選修(Departmental Elective Courses)	
生物化學(C)(Biochemistry (C))	選(E)	2.0		2.0							系定選修(Departmental Elective Courses)	
生醫訊號量測概論(Introduction to biosignal measurement)	選(E)	2.0		2.0							系定選修(Departmental Elective Courses)	1110320校課程委員會會議通過修改。生物醫學工程學分學程。(Revision approved by the University Curriculum Committee on 2022.03.20. Biomedical Engineering Credit program.)
物理治療趨勢與新知(二)(Trend & new knowledge in physical therapy (II))	選(E)	2.0		2.0							系定選修(Departmental Elective Courses)	採全英語教學。(Full English Courses.)
普通化學(C)(General chemistry (C))	選(E)	2.0		2.0							系定選修(Departmental Elective Courses)	
普通物理學(B)(General physics (B))	選(E)	2.0		2.0							系定選修(Departmental Elective Courses)	
中醫學概論(B)(Introduction to Chinese medicine (B))	選(E)	2.0			2.0						臨床醫學選修課程-中醫概論	臨床醫學選修課程。(Elective courses of clinical medicine.)
功能解剖學(Functional anatomy)	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	生物醫學工程學分學程。(Biomedical Engineering Credit program.)
生物統計學(Biostatistics)	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	
社區健康促進活動設計與帶領(含實習)(Activity design and leading skills of community health promotion (& practice))	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	
疼痛科學(Pain science)	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	
專題研究(一)(Independent research (I))	選(E)	1.0			1.0						系定選修(Departmental Elective Courses)	
經絡保健學(Healthcare with meridian theory)	選(E)	2.0			2.0						臨床醫學選修課程-經絡保健學	臨床醫學選修課程。中醫藥學分學程。(Biomedical Engineering Credit program.)
醫療及運動器材設計開發(Design and development of medical device and sports equipment)	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	1120329校課程委員會會議通過修改。(Revision approved by the University Curriculum Committee on 2023.03.29.)
中醫傷科學(Chinese traumatology)	選(E)	2.0			2.0						臨床醫學選修課程-中醫傷科學	臨床醫學選修課程。中醫藥學分學程。(Elective courses of clinical medicine. Traditional Chinese Medicine Credit program.)
心肺系統疾病與評估學(Cardiopulmonary diseases & assessment)	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	
早期療育學(Early intervention)	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	長期照護學分學程。(Long-Term Care Credit program.)
物理治療臨床見習(Clinical observation in physical therapy)	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	
物理治療藥物學概論(Introduction to pharmacotherapeutics for physical therapy)	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	
長期照護復健運動學(Rehabilitation & exercise in long term care)	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	長期照護學分學程。(Long-Term Care Credit program.)
專題研究(二)(Independent research (II))	選(E)	1.0			1.0						系定選修(Departmental Elective Courses)	EMI 課程。(EMI Courses.)
運動傷害防護學(Athletic training)	選(E)	2.0			2.0						系定選修(Departmental Elective Courses)	
人體運動分析與應用(Analysis & application of human locomotion)	選(E)	2.0				2.0					系定選修(Departmental Elective Courses)	生物醫學工程學分學程。(Biomedical Engineering Credit program.)

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China Medical University Department of Physical Therapy Elective for Undergraduate Majors (Applicable for 2024-2025 Enrollees)

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列印日期(Date)：113年8月21日

科目名稱 Course Title	修別 Type	學分 Credits	一年級 Freshman		二年級 Sophomore		三年級 Junior		四年級 Senior		課程分類 Category	備註 Remarks
			上	下	上	下	上	下	上	下		
			1	2	1	2	1	2	1	2		
內科學概論(Introduction to internal medicine)	選(E)	2.0						2.0			臨床醫學選修課程	臨床醫學選修課程。(Elective courses of clinical medicine.)
老人物理治療學概論(Introduction to geriatric physical therapy)	選(E)	2.0						2.0			系定選修(Departmental Elective Courses)	長期照護學分學程。(Long-Term Care Credit program.)
兒童適應身體活動(Adapted physical activity in children)	選(E)	2.0						2.0			系定選修(Departmental Elective Courses)	1090325校課程委員會議通過新增。(New course approved by the University Curriculum Committee on 2020.03.25.)
長期照護輔助科技學(Assistive technology in long-term care)	選(E)	2.0						2.0			系定選修(Departmental Elective Courses)	長期照護學分學程。(Long-Term Care Credit program.)
病理學概論(Introduction to pathology)	選(E)	2.0						2.0			臨床醫學選修課程	臨床醫學選修課程。(Elective courses of clinical medicine.)
骨科學概論(Introduction to orthopedics)	選(E)	2.0						2.0			臨床醫學選修課程	臨床醫學選修課程。(Elective courses of clinical medicine.)
高等生物力學(Advanced biomechanics)	選(E)	2.0						2.0			系定選修(Departmental Elective Courses)	生物醫學工程學分學程。(Biomedical Engineering Credit program.)
動作控制與學習(Motor control & motor learning)	選(E)	2.0						2.0			系定選修(Departmental Elective Courses)	生物醫學工程學分學程。(Biomedical Engineering Credit program.)
運動生理學(Exercise physiology)	選(E)	2.0						2.0			系定選修(Departmental Elective Courses)	
臨床推論與決策(Clinical reasoning & decision making)	選(E)	2.0						2.0			系定選修(Departmental Elective Courses)	
小兒科學概論(Introduction to pediatrics)	選(E)	1.0						1.0			臨床醫學選修課程	臨床醫學選修課程。(Elective courses of clinical medicine.)
外科學概論(Introduction to surgery)	選(E)	2.0						2.0			臨床醫學選修課程	臨床醫學選修課程。(Elective courses of clinical medicine.)
放射線學概論(Introduction to radiology)	選(E)	1.0						1.0			臨床醫學選修課程	臨床醫學選修課程。(Elective courses of clinical medicine.)
病例討論與分析(Case study & analysis)	選(E)	2.0						2.0			系定選修(Departmental Elective Courses)	
神經學概論(Introduction to neurology)	選(E)	1.0						1.0			臨床醫學選修課程	臨床醫學選修課程。(Elective courses of clinical medicine.)
國際物理治療實習(International internship in physical therapy)	選(E)	2.0						2.0			系定選修(Departmental Elective Courses)	
復健疾病與運動治療(含實習)(Therapeutic exercise for rehabilitation-related disease & practice)	選(E)	2.0						2.0			系定選修(Departmental Elective Courses)	
復健醫學(Rehabilitation medicine)	選(E)	1.0						1.0			臨床醫學選修課程	臨床醫學選修課程。(Elective courses of clinical medicine.)
臨床步態分析原理及應用(Clinical gait analysis:theory & application)	選(E)	2.0						2.0			系定選修(Departmental Elective Courses)	生物醫學工程學分學程。(Biomedical Engineering Credit program.)
物理治療專論(Seminar on physical therapy)	選(E)	2.0								2.0	系定必修(Departmental Required Courses)	
合計 選修 總學分(Elective subtotal)		94.0	16.0	10.0	15.0	15.0	22.0	14.0		2.0		

校內注意事項

Note of CMU

113學年度入學生畢業學分認定表備註：

- 一、畢業前必須通過英文鑑定，方能畢業。相關規定依本校「學生英文能力鑑定實施辦法」辦理。
- 二、體育課一年級為必修，每學期0學分，不及格不得畢業。大學部二年級以上為選修，每學期一學分。
- 三、國防軍事訓練改為選修，每週上課2小時為1學分，成績及格者，83年次以前同學以每8堂課折算1日役期(1門課折抵4日役期，2門課折抵9日役期，以此類推)。83年次以後同學每門課折抵2日訓期。

四、通識教育課程分為正式課程及通識教育活動：

(一)正式課程：必修28學分

1. 英文必修4學分

英文課程採分級制，分級以大學指考及學測成績為依據，分級結果於選課前公告。如達該學系英文畢業檢定標準，經所屬學系審核通過，得免修英文4學分，相關細則依「中國醫藥大學英文暨英語聽講必修課程免修學分實施要點」規定辦理。

For students enrolled in the fall semester of 2024:

1. According to the regulation of CMU Students' English Proficiency Assessment, Students must pass the minimal English Proficiency Requirement before graduation.
2. Taking Physical Education Course is compulsory for first year students (0 credits), students must pass to graduate. For second year or above, Physical Education is elective with 1 credit per semester.
3. Defense Education Military Training Course is elective, with 2 hours per week (1 credit).
4. General education courses consist of formal courses and general education activities:

(1) Formal courses: 28 required credits

i. English (4 credits): A level-based class grouping system is adopted based on students' score of the entrance examination. Students who meet the department's English graduation standard and are approved by the department can be exempted from the course.

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2. 資訊相關課程 (2學分)

3. 服務學習課程 (1學分)

4. 通識課程 (21學分)

(1) 核心通識課程：至少修習10學分，五大類中至少任選三大類。

A. 語文類：國文、英文進階課程及第二外語課程等。

B. 人文藝術類：文學藝術類、歷史文明類等。

C. 社會科學類：法政類；社會、心理、人類、教育、性別研究類；管理、經濟類等。

D. 自然科學類：基礎科學類；生命科學類；應用科學類；科學技術類等。

E. 運動知能類：如運動心理學、運動生理學、國際賽事分析與博奕事業、運動與健康的學理探討等學術類課程。如屬該學系之必選修課程者，將設限不得認列為通識學分。

(2) 跨學院通識課程：至少須修習跨學院課程4學分。

(二) 通識教育活動：0學分，學生須於在學期間參與至少16小時通識教育中心所認定之演講與校內外所舉辦之展演活動；成績以通過/不通過計分。相關細則依「通識教育活動實施要點」規定辦理。

五、服務學習時數：需修習通識必修1學分（可認列18小時服務學習課程）（醫學系、中醫學系另於下學期開設系上必修1學分）之服務學習課程，以及6小時志願服務基礎教育訓練、6小時服務學習講座參與、18小時志工服務（不含服務學習講座），共計需完成48小時之服務學習時數，始符合畢業資格。

※志願服務基礎訓練由學務處服務學習中心舉辦（另行公告），其他未盡事宜請詳閱「服務學習課程實施要點」（學務處服務學習中心網頁）。

六、畢業前必須參加校內舉辦之基礎心肺復甦術訓練，方具畢業資格。相關規定依本校「學生基礎心肺復甦術訓練實施要點」辦理。

七、本學分表做為畢業學分認定之依據。

ii. Technology Information-related courses (2 credits)

iii. Service learning courses (1 credit)

iv. General education courses (21 credits)

Core general education courses: Minimum of 10 credits, with at least three of the five categories. (Language, Humanities and arts, Social sciences, Natural sciences, Sports)

Cross-college general education courses: Minimum of 4 credits.

(2) General education activities: 0 credits. Students must participate in at least 16 hours of activities held by the General Education Center, scores will be marked as pass/fail.

5. Service learning hours: 1 credit of compulsory general education (can be listed in 18 hours of service learning courses) (School of Medicine and Chinese Medicine will offer 1 credit of compulsory course in the 2nd semester), 6 hours of voluntary service basic training, 6 hours participation service-learning lectures, and 18 hours of volunteer service. A total of 48 hours is required to be eligible for graduation.

※ Voluntary service basic training will be held by the Office of Student Affairs (to be announced).

6. Students must participate in the basic cardiopulmonary resuscitation training held by the university before graduation.

7. This list is used as the recognition basis of courses and credits required for graduation

物理治療學系注意事項

- 一、教育目標：培養物理治療師的專業能力、促進物理治療的學術研究與發展、提升物理治療對於國民健康服務的貢獻。
- 二、113學年度入學新生實施，本系4年制，最低畢業學分為128學分，含系訂必修81學分，通識教育課程28學分，選修19學分。
- 三、畢業前必須通過英文鑑定，方能畢業。相關規定依本校「學生英文能力鑑定實施辦法」辦理。
- 四、臨床醫學選修課程(中醫學概論(B)、經絡保健學、中醫傷科學、骨科學概論、病理學概論、內科學概論、神經學概論、小兒科學概論、復健醫學、外科學概論、放射線學概論、公共衛生學)必須至少修滿10學分，其中中醫學概論(B)、經絡保健學、中醫傷科學等3科必須至少選修1科，其他臨床醫學選修課程(含公共衛生學)應至少選修4科。
- 五、修習下列必修課程時，需先修習部分課程：
 - (一)上學期
 1. 心肺物理治療學及實習：基礎物理治療學及實習(全學年)、生理學及實驗。
 2. 物理因子學及實習(下)：大體解剖學(B)、生理學。
 3. 神經物理治療學及實習(上)：基礎物理治療學及實習(全學年)(可同時修習)、大體解剖學及實習(B)。
 4. 骨科物理治療學及實習(上)：基礎物理治療學及實習(全學年)、大體解剖學及實習(B)、操作治療學及實習。
 5. 臨床實習(一)：基礎物理治療學及實習(全學年)、大體解剖學及實習(B)。
 6. 臨床實習(三)(四)(五)：肌動學、基礎物理治療學及實習(全學年)、操作治療學及實習、物理因子學及實習(上)(下)、機能再教育及實習、骨科物理治療學及實習(上)(下)、心肺物理治療學及實習、神經物理治療學及實習(上)(下)、小兒物理治療學及實習、科技輔具學及實習、臨床實習(一)(二)，以上科目成績必須全數及格。
 - (二)下學期
 1. 操作治療學及實習：大體解剖學及實習(B)、肌動學。
 2. 生物力學：大體解剖學(B)。
 3. 小兒物理治療學及實習：基礎物理治療學及實習(全學年)、大體解剖學及實習(B)。
 4. 科技輔具學及實習：基礎物理治療學及實習(全學年)、大體解剖學及實習(B)、肌動學、生物力學。
 5. 神經物理治療學及實習(下)：基礎物理治療學及實習(全學年)、大體解剖學及實習(B)。
 6. 骨科物理治療學及實習(下)：基礎物理治療學及實習(全學年)、大體解剖學及實習(B)、操作治療學及實習。
 7. 機能再教育及實習：基礎物理治療學及實習(全學年)、大體解剖學及實習(B)。
 8. 臨床實習(二)：基礎物理治療學及實習(全學年)、大體解剖學及實習(B)。
 9. 臨床實習(六)(七)(八)：肌動學、基礎物理治療學及實習(全學年)、操作治療學及實習、物理因子學及實習(上)(下)、機能再教育及實習、骨科物理治療學及實習(上)(下)、心肺物理治療學及實習、神經物理治療學及實習(上)(下)、小兒物理治療學及實習、科技輔具學及實習、臨床實習(一)(二)，以上科目成績必須全數及格。
 10. 物理因子學及實習(上)：大體解剖學(B)、生理學(可同時修習)。
- 六、本學分表做為畢業學分認定之依據。

Note of Department of Physical Therapy

1. Objective: to develop the professional competencies of a physical therapy, to improve academic research and development of physical therapy, and to enhance the contribution of physical therapy to national health.
2. Applicable to students enrolled in the 4-year program in the Academic year of 2024, a minimum of 128 credits required to graduate, including 79 credits of department mandatory courses, 28 credits of general education courses, and 21 credits of elective courses.
3. It is required to meet the English standards based on "Measures for the Implementation of English Proficiency Assessment of Students of China Medical University".
4. A minimum of 10 credits of elective courses for clinical medicine (Introduction to Chinese medicine (B), Healthcare with meridian theory, Chinese traumatology, Introduction to orthopedics, Introduction to pathology, Introduction to internal medicine, Introduction to neurology, Introduction to pediatrics, Rehabilitation medicine, Introduction to surgery, Introduction to radiology, and Introduction of public health), including at least 1 course from the 3 designated courses (Introduction to Chinese medicine (B), Healthcare with meridian theory, and Chinese traumatology) and at least 4 courses of the others.
5. It is required to take specific courses to be enrolled in some mandatory courses.
 - 5.1. First semester
 - 5.1.1. Cardiopulmonary physical therapy (and practice): Fundamental techniques (and practice) in physical therapy (two semesters), and Physiology (and laboratory).
 - 5.1.2. Physical agents (and practice) (I): Gross anatomy (B), and Physiology.
 - 5.1.3. Neurological physical therapy (and practice (I)): Fundamental techniques (and practice) in physical therapy (two semesters, simultaneous enrollment is accepted), and Gross anatomy (and laboratory) (B).
 - 5.1.4. Orthopaedic physical therapy and Orthopedic physical therapy practice (I): Fundamental techniques (and practice) in physical therapy (two semesters), Gross anatomy (and laboratory) (B), and Manual therapy (and practice).
 - 5.1.5. Clinical internship (I): Fundamental techniques (and practice) in physical therapy (two semesters), and Gross anatomy (and laboratory) (B).
 - 5.1.6. Clinical internship (III)(IV)(V): It is required to pass all listed courses, including Kinesiology, Fundamental techniques (and practice) in physical therapy (two semesters), Manual therapy (and practice), Physical agents (and practice) (I)(II), Functional reeducation (and practice), Orthopaedic physical therapy, Orthopedic physical therapy practice (I)(II), Cardiopulmonary physical therapy (and practice), Neurological physical therapy (and practice (I)(II)), Pediatric physical therapy (and practice), Assistive technology (and practice), and Clinical internship (I)(II).
 - 5.2. Second semester
 - 5.2.1. Manual therapy (and practice): Gross anatomy (and laboratory) (B), and Kinesiology.
 - 5.2.2. Biomechanics: Gross anatomy (B)
 - 5.2.3. Pediatric physical therapy (and practice): Fundamental techniques (and practice) in physical therapy (two semesters), and Gross anatomy (and laboratory) (B)
 - 5.2.4. Assistive technology (and practice): Fundamental techniques (and practice) in physical therapy (two semesters), Gross anatomy (and laboratory) (B), Kinesiology, and Biomechanics.
 - 5.2.5. Neurological physical therapy (and practice (II)): Fundamental techniques (and practice) in physical therapy (two semesters), and Gross

anatomy (and laboratory) (B).

5.2.6. Orthopaedic physical therapy and Orthopedic physical therapy practice (II): Fundamental techniques (and practice) in physical therapy (two semesters), Gross anatomy (and laboratory) (B), and Manual therapy (and practice).

5.2.7. Functional reeducation (and practice): Fundamental techniques (and practice) in physical therapy (two semesters), and Gross anatomy (and laboratory) (B).

5.2.8. Clinical internship (I): Fundamental techniques (and practice) in physical therapy (two semesters), and Gross anatomy (and laboratory) (B).

5.2.9. Clinical internship (VI)(VII)(VIII): It is required to pass all listed courses, including Kinesiology, Fundamental techniques (and practice) in physical therapy (two semesters), Manual therapy (and practice), Physical agents (and practice) (I)(II), Functional reeducation (and practice), Orthopaedic physical therapy, Orthopedic physical therapy practice (I)(II), Cardiopulmonary physical therapy (and practice), Neurological physical therapy (and practice (I)(II)), Pediatric physical therapy (and practice), Assistive technology (and practice), and Clinical internship (I)(II).

5.2.10. Gross anatomy (B), and Physiology (simultaneous enrollment is accepted).

6. This credit table is recognized as the basis of graduate credits.

單位主管簽章：