

中國醫藥大學112學年度針灸研究所博士班課程地圖

教育目標

甲組：培養具獨立思考與解決問題能力之高等針灸人才；培育具研究與語言表達能力之高等針灸人才；培育具國際觀之高等針灸人才
乙組：培養具獨立思考與解決問題能力之高等針灸基礎研究人才；培育具研究與語言表達能力之高等針灸人才；培育具國際觀之高等針灸人才

核心能力

甲組：以針灸為主軸之獨立思考能力；客觀分析問題並獨立解決問題能力；針灸相關領域之專業研究能力；針灸相關領域之教授能力；領導針灸國際化之能力
乙組：以針灸基礎研究為主軸之獨立思考能力；客觀分析問題並獨立解決問題能力；針灸基礎相關領域之專業研究能力；針灸基礎研究相關領域之教授能力；領導針灸國際化之能力

● 須修滿32學分【含必修13學分、選修7學分、博士論文12學分】



校級必修課程

- 現代生物醫學講座(一)-(四) 0R(4AB)
- 實驗室安全 0R(0AB)
- 研究倫理 0R(0AB)
- 博士論文 2R(12AB)

院級必修課程

- 分子醫學(A) 1R(2AB)
- 中醫藥講座(B) 1R(2AB)

必修課程

- 專題討論(一) 1R(1AB)
- 專題討論(二) 1R(1AB)
- 高等針灸經絡醫學 1R(1B) **學術型(乙組)**
- 高等針灸治療研究 1R(1A) **實務型(甲組)**
- 專題討論(三) 2R(1AB)
- 專題討論(四) 2R(1AB)

選修課程(並重型, 甲乙組可選):

- 高等針灸醫學史 1S(2AB)
- 高等針灸生理 1S(2AB)
- 高等針灸與藥物作用 1S(2AB)
- 高等針灸作用分子機制研究方法 1S(2AB)
- 高等針灸神經科學 1S(2AB)
- 高等中醫藥抗衰老 1S(2AB)
- 進階功能性腦造影與針灸研究 1S(2AB)
- 高等肌肉疼痛的整合治療 2S(2AB)

選修分流

實務型(甲組可選)

- 高等胸穴學臨床研究 1S(1A)
- 肌動學於針灸之應用 1S(2A)
- 高等針灸與腦中風研究 1S(2A)
- 進階針灸學 1S(2A)
- 高等研究倫理與臨床試驗 S(2A)
- 高等針灸穴位定位學 1S(2A)
- 高等臨床針灸學 2S(2A)
- 高等針刺深度 2S(2A)

學術型(乙組可選)

- 高等針灸麻醉鎮痛 1S(2B)
- 高等疼痛造影 1S(2B)
- 進階分子生物技術與針灸應用 1S(2B)
- 高等發炎與自由機生物醫學 2S(2B)
- 疼痛生理病理與針灸 2S(2B)
- 高等針灸時間治療醫學臨床研究 2S(2B)
- 高等神經傳遞物質 2S(2B)

Curriculum Map of Doctor's Program of Graduate Institute of Acupuncture Science of China Medical University 112th Academic Year

Our Aims:

(Group A) To promote high level acupuncture talents with independent thinking, research and language skills and an international perspective.

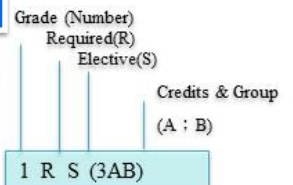
(Group B) To promote high level acupuncture talents with the basic independent thinking, research and language skills and an international perspective.

Our Core Competencies:

(Group A) Include the ability about Independent thinking, Professional research capabilities, Teaching, and International perspective.

(Group B) Include the ability about Independent thinking, The basic professional research capabilities, The basic teaching, and International perspective.

The minimum number of the credits required for graduation is 32, including 13 from required courses, 7 from elective. And 12 credits for the M.D. Thesis.



School-level compulsory courses

- Lecture on modern biomedicine 1~4 0R(4AB)
- Laboratory Safety 0R(0AB)
- Research Ethics 0R(0AB)
- Ph.D. Dissertation 2R(12AB)

College-level compulsory courses

- Molecular medicine(A) 1R(2AB)
- Lecture on traditional Chinese medicine(B) 1R(2AB)

Compulsory course

- Seminar (I) 1R(1AB)
- Seminar (II) 1R(1AB)
- Advanced acupuncture channel medicine) 1R(1B) **(Group B)**
- (Advanced acupuncture Treatment 1R(1A) **(Group A)**
- Seminar (III) 2R(1AB)
- Seminar (IV) 2R(1AB)

Elective courses (Group A and B can choose)

- Advanced medical history of acupuncture 1S(2AB)
- Advanced acupuncture physiology 1S(2AB)
- Advanced effects of acupuncture & drug 1S(2AB)
- Advanced research methods for molecular mechanisms in acupuncture 1S(2AB)
- Advanced acupuncture Neuroscience 1S(2AB)
- Advanced anti-aging in chinese medicine 1S(2AB)
- Advanced functional brain imaging and acupuncture research 1S(2AB)
- Advanced Integrated treatment for muscle pain 2S(2AB)

Practical type (Group A can choose)

- Advanced clinical studies on acupuncture points 1S(1A)
- Applied kinesiology in Acupuncture 1S(2A)
- Advanced studies on acupuncture treating stroke 1S(2A)
- Advanced acupuncture science 1S(2A)
- Advanced research ethics and clinical trial 1S(2A)
- Advanced locating Acupoints 1S(2A)
- Advanced clinical acupuncture & Moxibustion 2S(2A)
- Advanced needling depth of Acupoints 2S(2A)

Academic type (Group B can choose)

- Advanced acupuncture Analgesia 1S(2B)
- Advanced pain imaging 1S(2B)
- Advanced molecular bio-technologies and the application of Acupuncture 1S(2B)
- Advanced inflammation & free radical biomedicine 2S(2B)
- Advanced pathophysiology of pain and acupuncture 2S(2B)
- Advanced acupuncture circardium rhythm in medical researches 2S(2B)
- Advanced neurotransmitters 2S(2B)