

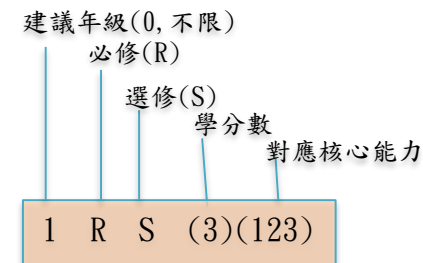
# 中國醫藥大學113學年度中西醫結合研究所碩士班課程地圖

## 教育目標

- 提升中西醫結合臨床醫學之專業能力
- 培養中西醫藥之基礎與臨床知識之教學人才
- 培養中西醫藥臨床試驗或前臨床試驗之研究能力

## 核心能力

1. 以中西醫結合思考的臨床醫學專業之基礎能力
2. 客觀分析臨床問題從科學文獻資料中找出合理解決方法之能力
3. 中西醫相關專業領域專業教學之基礎能力
4. 參與國際合作與學術交流之能力
5. 專業醫學倫理與學術研究精神之基本能力
6. 中西醫結合臨床研究計畫撰寫、執行、綜合分析、發表之基礎能力



● 須修滿30學分【含必修10學分、選修14學分、碩士論文6學分】

## 校級必修課程

- 實驗室安全0R(0)
- 研究倫理0R(0)
- 碩士論文2R(6)

## 院級必修課程

- 分子醫學(D)1R(2)
- 中醫藥講座(B)1R(2)

## 所級必修課程

- 臨床試驗統計學1R(2)(26)
- 中西醫結合專題討論(一)1R(1)(126)
- 中西醫結合專題討論(二)1R(1)(126)
- 中西醫結合專題討論(三)2R(1)(126)
- 中西醫結合專題討論(四)2R(1)(126)

## 選修課程

- |                           |                              |                          |
|---------------------------|------------------------------|--------------------------|
| ● 中醫藥資訊應用1S(2)(346)       | ● 合成生物學與產業應用1S(2)(346)       | ● 臨床研究設計與分析應用1S(2)(356)  |
| ● 奈米生物醫學1S(2)(35)         | ● 中西醫比較藥理學1S(2)(13)          | ● 分子腫瘤學與抗癌藥設計特論2S(2)(36) |
| ● 中西醫結合研究方法學特論1S(2)(126)  | ● 中西醫藥物開發新趨勢1S(2)(13)        |                          |
| ● 循環生理學特論1S(2)(34)        | ● 基礎病毒學1S(2)(35)             |                          |
| ● 粥狀動脈硬化特論1S(2)(34)       | ● 應用免疫學特論1S(2)(24)           |                          |
| ● 中醫證型動物模式特論1S(2)(23)     | ● 分子細胞生物與神經科學實驗方法特論1S(2)(34) |                          |
| ● 質譜儀特論1S(2)(12)          | ● 分子生物實驗方法特論1S(2)(12)        |                          |
| ● 中草藥新藥研發與運用1S(2)(34)     | ● 蛋白質生物標記特論1S(2)(12)         |                          |
| ● 腫瘤生物學特論1S(2)(26)        | ● 中西醫結合生物標記特論1S(2)(135)      |                          |
| ● 中樞神經用藥之開發1S(2)(6)       | ● 硫化氫之生化學特論1S(2)(15)         |                          |
| ● 中醫藥與免疫學特論1S(2)(16)      | ● 中醫資料庫的建置與應用II 1S(2)(346)   |                          |
| ● 中醫資料庫的建置與應用I 1S(2)(346) |                              |                          |

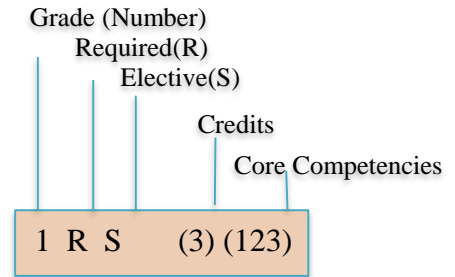
# Curriculum Map of the Master's Program of Graduate Institute of Integrated Medicine in the 113th academic year at China Medical University

## Our Educational goals:

1. Enhancing professional competence in Integrated Medicine
2. Cultivating educators with basic science and clinical knowledge in Integrated Medicine
3. Developing research capabilities in clinical trials or pre-clinical studies of Integrated Medicine

## Our Core Competencies:

1. Fundamental clinical competencies in Integrated Medicine
2. The ability to objectively analyze clinical problems and find rational solutions from scientific literature
3. Fundamental expertise in teaching in the Integrated Medicine related fields
4. The capacity to engage in academic exchange and international collaboration
5. Fundamental skills in academic research and professional medical ethics
6. Fundamental skills of designing, conducting, analyzing, and presenting integrated clinical research projects in Integrated Medicine



The minimum number of the credits required for graduation is 30, including 10 from required courses, 14 from elective courses (12 credits shall be from the courses offered by this Institute, and the other 2 credits selected from the courses equal to, or higher than, those of the master level, or from the courses recognized by the school).

### School-level required courses

- Laboratory Safety 0R(0)
- Research Ethics 0R(0)
- M.S. Thesis 2R(6)

### College-level required courses

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

### Institute-level required course

- Clinical statistics 1R(2)(26)
- Seminar on integrated medicine(I) 1R(1)(126)
- Seminar on integrated medicine(II) 1R(1)(126)
- Seminar on integrated medicine(III) 1R(1)(126)
- Seminar on integrated medicine(IV) 1R(1)(126)

## Elective courses

- Application of Chinese medicine Information 1S(2)(346)
- Biomedical nanotechnology 1S(2)(35)
- Special topics on research methodology in integrated medicine 1S(2)(126)
- Special topics on circulatory Physiology 1S(2)(34)
- Special topics on Atherosclerosis 1S(2)(34)
- Special topics on animal models in Chinese medical symptoms 1S(2)(23)
- Special topics on mass spectrometry Metabolomics 1S(2)(12)
- R & D in Chinese herbal Medicine 1S(2)(34)
- Special topics on molecular biology of cancer 1S(2)(26)
- Development of CNS drugs 1S(2)(6)
- Traditional chinese medicine and immunology 1S(2)(16)
- Design and application of Chinese Medicine Database I 1S(2)(346)
- Special topics on synthetic biology & its industrial Application 1S(2)(346)
- Comparison of Chinese & western pharmacology 1S(2)(13)
- New trends in developing Chinese & western drugs 1S(2)(13)
- Basic virology 1S(2)(35)
- Special topics on biochemistry of hydrogen sulfide 1S(2)(15)
- Special topics on applied Immunology 1S(2)(24)
- Special topics on techniques in molecular cell biology & neuroscience 1S(2)(34)
- Special topics on laboratory molecular biology 1S(2)(12)
- Special topics on the discovery of protein biomarker 1S(2)(12)
- Special topics on biomarkers in integrated medicine)1S(2)(135)
- Design and application of Chinese Medicine Database II 1S(2)(346)
- Research design & analysis for clinical application 1S(2)(356)
- Special topics on tumor molecular & anticancer pharmacology 2S(2)(36)