

## Educational Plan for Academic Master Degree Postgraduates

Specialty: Health Information Management

Specialty code: 1204Z4

### I. Objective

To cultivate academic and practical, advanced specialized and well-rounded talents on health information management, who should meet the needs of construction of socialist marketing economy in China. Students of this specialty should meet the following requirements.

- Master the basic tenets of Marxism and Deng Xiaoping's Theory. Love the motherland and form the good moral character. Uphold the socialist democracy and legal system consciously. Have the scientific spirit and dedication and devoted to socialist modernization.
- Have a solid theory foundation and systematic and in-depth professional knowledge on health information management. Possess the capability of medical information analysis and research. Cultivate innovation consciousness in the research and practice of health information management.
- Master basic theory and knowledge of public health and health affairs management.
- Grasp the knowledge of information science and computer science. Possess the ability of information system analysis, design, operation, management, evaluation and service.
- Be qualified for research of information science and be able to cooperate, innovate, and teach.
- Grasp one foreign language and be proficient in professional reading and basic academic writing.

### II. Research Field

- Health information system and health decision information management
- Digital hospital and information management
- Medical data mining and knowledge management

### III. Program Duration

The duration of full-time academic post-graduate students is 3 years.

### IV. Credits Requirements and Allotment

Total credits  $\geq 37$  (credits for Degree Courses  $\geq 24$ ; Credits for research  $\geq 13$ ).

Total Credits	$\geq 37$ credits	
Degree Courses	$\geq 24$ credits (including credits for advanced international courses $\geq 4$ )	Compulsory public courses $\geq 5$ credits: ✓ Study on theory and practice of Chinese characteristics: 2 credits ✓ Dialectics of Nature (science/engineering/medical science): 1 credit ✓ Foreign Language: 2 credits Optional public courses $\geq 1$ credit
		✓ 1st-level discipline basic courses : 8 credits (compulsory) ✓ 2nd-level discipline basic courses: 4 credits (restricted optional) ✓ Optional professional courses: 4 credits (optional) ✓ Cross 1-level discipline courses: 2 credits (optional)
		No credit for make-up courses or other optional courses, grades only.

Research	≥13 credits	Literature review and thesis proposal: 1 credit
		Participation in public academic lectures: 1 credit
		Academic paper publication: 1 credits
		Academic Dissertation: 10 credits

### V. Course Curriculum and Credits Allotment

Courses		Course code	Course name	Hours	Credits	Season	Department	Notes
Degree Courses	Compulsory public courses	408.601	Study on theory and practice of Chinese characteristics	36	2	Autumn	College of Marxism	Compulsory at the postgraduate phase ≥ 6 credits
		408.602	Dialectics of nature	18	1	Autumn	College of Marxism	
		411.500	Foreign language (English)	32	2	Autumn	School of foreign languages	
		513.502	Psychological stress and response	16	1	Autumn	School of Public Health	
	1st-level discipline basic courses	516.602	Frontier of Information Science (international courses)	32	2	Autumn	SMHM	compulsory ≥ 8 credits
		516.603	Introduction to Health Informatics	32	2	Autumn	SMHM	
		516.605	Data Mining (international courses)	32	2	Spring	SMHM	
		516.606	Health Information Resource Management	32	2	Autumn	SMHM	
	2nd-level discipline basic courses	516.604	Competitive Intelligence and Strategic Management	16	1	Autumn	SMHM	Restricted optional ≥ 4 credits
		516.607	HIT and Health Management	16	1	Autumn	SMHM	
		516.608	Research Methods of Soft Science	32	2	Autumn	SMHM	
	Optional professional courses	516.609	Knowledge Management (international courses)	16	1	Autumn	SMHM	≥ 6 credits
		516.610	Information Retrieval Principle and Technology	16	1	Autumn	SMHM	
		516.612	User's Health Information Behavior (international course)	16	1	Spring	SMHM	
		516.613	Digital Hospital Management	16	1	Spring	SMHM	
		516.501	Quantitative Analysis of Management	32	2	Autumn	SMHM	

Non-degree courses	Make-up courses	1203102	Health Management Statistics	96	6	Autumn	SMHM	Compulsory for non-information science major undergraduates
		1203142	Introduction to Information Management	56	3.5	Autumn	SMHM	
		0816111	Database Design	72	4.5	Spring	SMHM	
		1203162	Information Organization	120	7.5	Autumn	SMHM	
Research		650.501	Literature review and thesis proposal		1		SMHM	
		650.502	Participation in public academic lectures		1			
		650.503	Dissertation		10			
		650.504	Academic Paper Publication		1			

**Remark:**

- a. Non-Information Science major undergraduates must choose at least 3 make-up courses. Students who did not have course of Health Management Statistics must choose Health Management Statistics. Course of Information Organization counts two courses if students choose. No credits for make-up courses, grades only. Students must have the same final test in same place with undergraduates and cannot apply for degree if not pass.
- b. Postgraduate courses shall be finished in the first year in general.

**VI. Research and Dissertation**

Implement in accordance with the related regulations of Huazhong University of Science and Technology.

**VII. Supplementary**

- a. Master program focuses on courses, research and dissertation as well. Master degree candidates should start to read materials and join the research projects under the guidance of supervisors. Students must finish the thesis proposal before the beginning of the fourth semester.
- b. Master degree candidates must publish academic papers relative to dissertation in accordance with university requirements.