Educational Plan for Professional Degree of Master of Library and Information Studies
Specialty:library and information
Specialty code: 125500

I. Objective

The educational Objectives of Master of Library and Information Studies (MLIS) Professional Degree in the field of medicine is to make practice as the guidance, connected with the academic and professional and train to master professional knowledge and skills, be familiar with the actual environmental of health information systems,be able to take advantage of management science, information science, computer science and medical knowledge to solve the practical problems in health information management work ,have high professional qualities ,and to meet the needs of practical work in medical information management industry.

  requirement details:

a. Mastered the basic theory of and professional knowledge library and information , and be able to blend in the practical work of medical library and information , to form independent work ability of the medical library and information and management.

b. Familiar with electronic medical records management,and to promote the use of electronic medical record with health care providers and stakeholders.

c. Familiar with the development, implementation and maintenance of health information systems.

d. Protect the patient information, maintain the patient information security awareness.

e. Control of medical legal information release.

f. According to the established standard,evaluate standard literature.

g. Provide the necessary information for clinical research, the use of high-quality service review, budget and other management applications.

h. Master a foreign language expertly, can read specialized foreign language information.

i. Physical and psychological health.

II. Research Field

1.Medical library and information science

2.Medical information management

III. Program Duration and Training Mode

1.Program Duration

  The duration of full-time academic post-graduate students is 2 years,the cumulative learning age shall not be more than 5 years.

2.Training Mode

Combining courses, practice teaching and cultivation of academic dissertation.

Courses focus on the basic theory and practical application, cutting-edge knowledge, especially emphasizes professional practice courses.Practice teaching is an important link of full-time professional master graduate student, encourage students to practice in medical and hospital libraries and information institutions and relevant medical institutions , combine centralized practice with segmented practice.During the school time of Postgraduate in medical library and information , it must ensure that there are not less than half a year's practice teaching, practice teaching of undergraduate course graduates, in principle, are not less than 1 year time. Integrating theory with practice should be the principle of thesis topic, the paper content should focus on the medical library and information and practical problems in the field of health

information management,it should has practical application value.

3.Implementing the double tutorial system

Theoretical study mentor from training unit, the practice teaching mentor from practice department,double mentor training together. According to the specific training needs to set up tutor group at the same time, adopt the combination of collective culture and individual responsible for guidance. Mentors in general are the professor or associate professor who has qualifications of guiding postgraduate or experts from the field of medical library and information and health information department or experts with rich practical experience in a particular field.

4.Compulsory courses are two forms, tests and appraisal,and the test shall not be less than 80% of the total subjects. Evaluation methods can be flexible, focusing on how students apply that they have learned professional knowledge, find, analysis, judgment the professional ability and method of solving practical problems, reduce the appraisal of mechanical memory.

IV. Credits Requirements and Allotment

Total credits ≥ 52 (credits for Degree Courses ≥32; Credits for practice ≥ 10;Credits for research ≥ 10).Specific credit allocation in the following table:

Total Credits	≥52 credits			
Degree Courses	≥32	Compulsory public courses　≥4 credits: ✓　Study on theory and practice of Chinese characteristics: 2 credits ✓　Foreign Language: 2 credits		
		✓　1st-level discipline basic courses : ≥16 credits (compulsory)		
		✓　2nd-level discipline basic courses: ≥ 12 credits (restricted optional)		
		No credit for make-up courses or other optional courses, grades only.		
Practice	≥10	Professional document writing	2 credits	compulsory
		Realization plan	2 credits	
		Professional practice	4 credits	
		Professional practice report	2 credits	
Research	≥10	Literature review and thesis proposal	1 credit	compulsory
		Participationin public academiclectures	1 credit	compulsory
		Academic Dissertation	8 credits	compulsory

V. Course Curriculumand 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≥4 credits
		411.500	Foreign language (English)	32	2	Autumn	School of foreign languages	
	Compulsory professional	516.602	Frontier of Information Science (international	32	2	Autumn	SMHM	

				课时	学分	学期	开课单位	
	courses ≥16credits			courses)				
		516.608	Research Methods of Soft Science	32	2	Autumn	SMHM	
		516.603	Introduction to Health Informatics	32	2	Autumn	SMHM	compulsory
		516.606	Health Information Resource Management	32	2	Autumn	SMHM	
		516.605	Data Mining (international courses)	32	2	Spring	SMHM	
		516.611	Health Information System	32	2	Spring	SMHM	
		516.615	Medical Library Management	32	2	Spring	SMHM	
		516.616	Medical information services	32	2	Spring	SMHM	
	Optional professional courses ≥12 credits	516.501	Quantitative Analysis of Management	32	2	Autumn	SMHM	Restricted optional
		516.619	Knowledge Management (international courses)	32	2	Autumn	SMHM	
		516.610	The Principle and Technology of Information Retrieval	16	1	Autumn	SMHM	
		516.607	HIT and Health Management	16	1	Spring	SMHM	
		516.613	Digital Hospital Management	16	1	Spring	SMHM	
		516.612	User's Health Information Behavior (international course)	16	1	Spring	SMHM	
		516.617	Competitive Intelligence and Strategic Management	32	2	Spring	SMHM	
		516.618	Medical Database and Information Resources Platform Design	16	1	Spring	SMHM	
		516.620	Health Information System Modeling and Development	16	1	Spring	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	
		1203173	Medical Literature Searching	64	4	Spring	SMHM	

Practice	650.703	Professional document writing	/	2	/	SMHM
	650.704	Realization plan	/	2	/	
	650.706	Professional practice	/	4	/	
	650.707	Professional practice report	/	2	/	
Research	650.708	Literature review and thesis proposal	/	1	/	SMHM
	650.709	Participation in public academic lectures	/	1	/	
	650.710	Dissertation	/	8	/	

VI.Practice

1. The professional document writing (including the drafting of medical sci-tech novelty search report, medical reference consultation report, the hospital information system requirement report, system analysis, the training of the various medical information report, etc, Teaching by the teachers and experts with rich practical experience);

2. Practice plan (practice plan is made on the basis of professional direction and students should discuss it with both of their tutors , the plan should be completed before the professional practice, cultivate unit assessment team to evaluate the plan about its scientific nature, rationality and feasibility,practice plan is an important basis of professional practice examination.)

3. Professional practice (students according to professional direction choose medical library, hospital medical record management and statistics, the hospital information department and other practical teaching bases for professional practice, full-time students practice shall not be less than 6 months, the practice teaching supervisor is responsible for the professional practice guidance. In the process of professional practice ,it required careful writing practice logs and practice summary, internship will be identified by the internship unit , build official seal of the internship units; after the material mentioned above submitted and qualified ,the inspection rear get the credits).

4. Professional practice report (study the problems encountered during the internship deeply, and discuss the relevant problems on the basis of the study; two forms can be used: special investigation and case study ,complete in the form of paper ; I t is not allowed to finish in a simple way of case analysis).

VII Dissertation and Degree awarded

1.Dissertation

The principle of thesis topic selection should be integrating theory with practice, the paper content should focus on the practical problems and facing medical library and information and health information management practice, discusses the practical application of related theory. It reflects if students can apply what they have learned theory knowledge and comprehensive ability to solve practical problems. Mentor group should on the base of the students' subject direction, identify a specific tutor who is responsible for the guidance of the paper.

The paper should put professional practice studies as the main content,but not limited to the form of academic papers,case analysis (for three or more of the same theme related case study analysis), research report, the special investigation, etc is also feasible . Any form of dissertation writing shall be standard.

The main steps of the dissertation include:

a. The thesis opening report

b. The thesis interim progress report

c. Guide and examination of the dissertation

d. The paper review and reply

Papers must reviewed by more than three experts who has a senior professional , which must be at least one outside experts have practical experience of the field ,tutor shall not be the expert.

Only through expert review can be oral defense. Dissertation committee must have more than five experts who has a senior professional , which must be at least one outside experts have practical experience of the field ,tutor shall not be the expert .

2.Degree awarded

a. Candidates must publish at least one academic paper before degree awarded.

b. Students complete regulations credits, meet the relevant requirements, allow graduates, and graduate certificate; If graduate students have meet the graduation requirements and the dissertation have through the review,then they can get Master's degree certificate of medical library and information rewarded by Huazhong University of Science and Technology.