Master Degree Program in Library, Information and Archive Management Science

Discipline Code: 1205

I General introduction of the discipline and the research fields

Master degree program in Library, Information and Archive Management Science

The Master Degree Program in Library, Information and Archive Management Science focuses on:

1. studying the composition, collection, description, organization, management, utilization and the multiplication laws of information resources.

2. contributing to the development, utilization, services and preservation of information resources in the social informatization, digitization and networking

3. helping in putting forward effective response programs would be for the operation and management of the information center in institutions such as library, archives, publishing agency, enterprises and public institutions.

4. facilitating high quality information supports and services provided by relevant information organizations.

Scientific Information Institute (SII) is a unique academic institution endeavoring in researching and teaching Library, Information and Archive Management Science at Jiangsu University. It was authorized to confer a Master's degree of Information Science in 2006, and the first level Master's degree in Library, Information and Archive Management Science in 2010. The SII has a staff with high-level teaching and researching strength: 11 master supervisors, 20 members with a senior professional title, 9 with a doctoral degree. It has scored remarkable achievements in the areas of Library, Information Theory and Techniques, Competitive Intelligence, Information Resource Organization and Management, etc. Information Behavior Analysis Laboratory conducts usability testing for human - machine interface products, behavior awareness for users' information needs and analysis on human behavioral tendencies. The SII emphasizes on the importance of national and international academic exchanges, and it continues to expand a variety of cooperative programs and an academic coordination with University of Illinois, Simmons College, Wuhan University and Nanjing University, etc. The master program offered by the SII aims at training students' core competencies in in-demand careers, including working in LIS-related governmental or non-governmental organizations, conducting information resource management in enterprises , serving as an information analysis expert in management consulting firms or offering information services in libraries.

Research Directions:

1. **LIS Theory and Techniques:** studying and researching library and library administration, theory and techniques of information collection, organization, management and utilization.

2. **Public Data Management:** investigating the openness and sharing of different kinds of public data based on the theory of data life cycle, including data policies, data management plan, data acquisition, data organization, data analysis, data storage, data publishing and sharing, data recycle, etc.

3. **Competitive Intelligence Studies:** researching the methods and modes of intelligence gathering, processing, analysis and utilization in the fields of patent, medical science, industry, etc; providing decision support for governments and enterprises.

4. **Information Behavior Analysis:** researching the user experience and usability testing by applying the basic theory and method of information behavior analysis and relevant analysis tools, such as Morae software and Tobbi eye tracker.

II Goal and objectives

In order to achieve the goal of this major, following objectives are to be accomplished by the time the candidate completes the 2-3 years courses.

1. grasping of systemic theories, specific knowledge and practical skills, professional development and latest frontiers of Library, Information and Archive Management Science;

2. being competent of reading and writing scientific papers; with the ability to carry out scientific research work independently;

3. being creative in LIS-related science and technology; being capable of engaging in researching, teaching and management in the field of Library, Information and Archive Management Science;

4. being with new insights in scientific or specialized techniques.

III Study duration and the way to cultivate

The graduate students for Library, Information and Archive Management Science should finish the required course credits that must be at least a total of 28 credits, and the credits for degree courses should be no less than 14. The completion of these courses is usually within 1 to 2 years, while the additional 2 to 3 years is used to complete the dissertation research and thesis oral defense. Moreover, every student is also required to commit several presentations/lectures that are closely relevant to his/her research project, attend academic conferences/workshops for at least 10 times, which will be counted for 2 credits of this seminar course. In addition, the required course credits can be added beyond the total required course credits if that is necessary in terms of your knowledge background and the research project in which you will involve.

IV Requirement for the course credits

The minimum requirement for graduation is 28 credits, including at least 14 credits of degree courses.

Course Category	Course name	Credits	Term	School by which Courses	Type of the	Remark

					opened	Courses	
Degree Courses	**Public Degree Courses**	Overview of China	3	1	Overseas Education College		Compulsory
		Chinese Ⅰ	2	1	Language & Culture Center		
		Chinese Ⅱ	2	2	Language & Culture Center		
	Fundamental &Theoretical Courses	Introduction to Library Science	2	1	Research Institute of Scientific Information	Bilingual	At least one course
		Introduction to Information Science	2	2	Research Institute of Scientific Information	English	
		Applied Mathematics of Library and Information Science	2	2	Research Institute of Scientific Information	Bilingual	Compulsory
	Core Specialized Degree Courses	Theory and Method of Library and Information Science	3	2	Research Institute of Scientific Information	Bilingual	Compulsory
Non-degree courses	**Special Elective Courses**	Research Fronts of Library and Information Science	1	3	Research Institute of Scientific Information	Lecture	Compulsory
		Theory and Method of Information Behavior Analysis	2	3	Research Institute of Scientific Information	Experimental Platform	
		Patent Intelligence Analysis	2	3	Research Institute of Scientific Information	Bilingual	Selective
		Specialized Chinese of Library and Information Science	1	1	Research Institute of Scientific Information	Bilingual	
		Competitive Intelligence Studies	2	3	Research Institute of Scientific Information	Bilingual	
		Medical Intelligence Analysis	2	3	Research Institute of Scientific Information	Bilingual	
		Informetrics	2	3	Research Institute of Scientific Information	Bilingual	
		Public Data Management	2	3	Research Institute of Scientific Information	Bilingual	

		Information Organization	2	3	Research Institute of Scientific Information	Bilingual	
		Informatics	2	3	Research Institute of Scientific Information	Bilingual	
		Literature Retrieval and Utilization	2	3	Research Institute of Scientific Information	Bilingual	
	Public Elective Courses	All courses in all discipline					Selective

V. Credits requirement for the practice

Besides the requirement for the course credits, postgraduates are also required to complete the practice credits before thesis review and defense.

i Academic Activities (2 credits)

Every postgraduate is required to attend relevant academic lectures, seminars, conferences or workshops for at least 10 times and complete academic reports afterwards. The practice process will be reviewed by the teachers in charge of teaching.

ii Literature Reading (2 credits)

Every postgraduate is required to read no less than 100 academic literature related to the subject and pass the examinations by the advisory committee before submitting the thesis proposal.

iii Symposium (1credit every time)

Every postgraduate is required to make open exchanges and reports on the progress of study and research. Credits will be assessed and granted accordingly.

iv Practice Training (2 credits)

- science and technology novelty verification and advisory
- teaching assistant
- library services
- internship in relevant institutes
- research program undertaken by the supervisor

The practice duration should not be shorter than one month and the practice report will be evaluated by a advisory committee of 5 experts.

VI. Advisory Committee and Supervisory

The master postgraduate students should be directed by a qualified major supervisor (Ph.D. graduate faculty), as well as a committee panel containing several qualified co-advisors /committee members.

VII. Dissertation

The quality of master thesis is a comprehensive measure of master training quality and academic standards which includes：

i Thesis Proposal

   After enrollment, the master degree student should know his research direction clearly, under the guidance of the instructor, and participate in scientific research. Usually after passing the qualification exam within the second school year, through the collection and read literature, the master degree student should carry out research and experimental work, complete the report about topics of dissertation, and employ experts of the relevant disciplines and evaluate the report of the topics. After the passage of the deliberations of the topics of the report, student prepares the implementation plan of thesis under the guidance of the instructor.

ii Papers and Achievements

   According to the "UJS Regulations concerning Academic Paper Publication", postgraduate student should commit to accomplishing academic papers as well as research achievements.

iii Thesis Composition

   With instructions, student should compose the master thesis initiatively in the required format attached.

iv Thesis Review and Defense

   The Review and defense of master degree thesis will be conducted according to relevant policies and regulations of Jiangsu University.

VIII. Other issues and requirements

   Student's completion of credits, progress of research and professional competence will be examined in the fourth semester by Graduate Advisory Committee of no less than 5 experts. Other schedules relevant to graduate study will be complied with the UJS regulations concerning the postgraduate education.

IX. Financial Assistance

No.	Title	Type&Level	Total Sum
1	Chinese Government Scholarship（CSC）	National Grant	Full amount
2	Jasmine Scholarship	Jiangsu Provincial Grant	RMB 30000/Year
3	President's Scholarship of Jiangsu University	Sponsored by Jiangsu University	RMB 15000/年
4	Director's Scholarship of Jiangsu University Library	Sponsored by the SII	RMB 10000-20000/Year

5	Anxin's Scholarship for International Students	Sponsored by A&W (Shanghai) Woods. Co.,Ltd	RMB 5000/Year

Note: 1. Director's Scholarship will be granted unequally by evaluating student's performance in study and research.

2. Students will get addition living allowances by assisting in research, teaching and library services.

Attachments

(Ⅰ). Guide for thesis and dissertation research proposal and plan of study.

Scientific Information Institute, Jiangsu University

Zhenjiang, Jiangsu Province

(Date)

Student
Number

Name

_____

Research
Direction

_____

Supervisor

_____

Title

_____

_____

TITLE: A brief, clear, specific designation of the subject of the research. The title, used by itself, should give a good indication of the project.

OBJECTIVES: A clear, complete, and logically arranged statement of specific objectives of the project. If several objectives are proposed, they must be closely related. List them as 1, 2, 3, etc.

JUSTIFICATION: Should present the motivation and importance of the research.

PREVIOUS WORK AND PRESENT OUTLOOK: A brief summary covering pertinent previous research on the problem, citing important and recent publications, the status of

current research, and additional information needed, to which the project is expected to contribute. This review will help to determine work already accomplished.

PROCEDURE: A statement of essential work plans and methods to be used to attain each of the stated objectives. The procedure should correspond with objectives, and follow the same order. Phases of the work to be undertaken should be designated.

RESEACH METHOD: should specify the research method of the project, if the theoretical analysis is conducted, the basic model description should be given, if the empirical study is conducted, the possible source of data should be indicated.

PROBABLE DURATION: An estimate of the maximum time likely to be required to complete research and publish results.

LITERATURE CITED: List important and recent publications involving this field of work.

(Ⅱ).The directory of mainly classic books needed to be read.

1. Elaine Svenonius. The Intellectual Foundation of Information Organization.MIT Press.ISBN:978-0-262-51261-9. 2009.
2. Lakhmi Jain ,XindongWu .Emergent Web Intelligence :Advanced Information Retrieval. Springer London..ISBN:978-1-84996-173-1.2010.
3. Oliver, Gillian; Harvey, Ros. Digital Curation: A How-to-do-it Manual.Facet Publishing, ISBN: 9781783300976.2016.
4. Constance Crompton, Richard J Lane, Ray Siemens. Doing Digital Humanities:Practice, Training, Research.Routledge. .ISBN: 9781138899445. 2016.
5. Moed, Henk F.Citation Analysis in Research Evaluation. Springer: Central Book Services.9789048169382.2010.
6. Editorial Office of Journal of Library Science in China. Journal of library science in China: 2015. Beijing: National Library of China Publishing House.ISBN:978-7-5013-5714-7. 2015.

(Ⅲ). The directory of mainly professional academic journals needed to be read.

1. Journal of the Association for Information Science and Technology (U.S.)
2. Information Processing ＆Management (UK)
3. Information Sciences (U.S.)
4. Library Journal (U.S.)
5. Journal of Documentation (UK)

6. Scientometrics （NL）
7. Library Trends （U.S.）
8. College and Research Libraries （U.S.）
9. Information Technology Review （U.S.）
10. The Library Quarterly （U.S.）
11. Journal of Academic Librarianship （U.S.）
12. Library and Information Science (JP)

(Ⅳ). Curriculum Content

1. Introduction to Library Science: an overall knowledge and systemic master of the principal theory of contemporary library science; recent research and development of library science at home and abroad; an elementary basis of other specialized courses.

2. Introduction to Information Science: latest trends of in information science including theories, sources, uses and information needs, information exchange, collection, arrangement, analysis and processing; providing solid foundation of professional research and practice.

3. Applied Mathematics of Library and Information Science: dealing with the general issues of library and information science research and practice by applying mathematical knowledge including applied mathematical foundation, objective connection between mathematics and library and information science, library statistics and analysis, principle and method of literature and knowledge modeling.

4. Theory and Method of Library and Information Science: a broad understanding of the basic theory and method of scientific research; preliminary insight into the four levels of social science research namely methodology, theoretical quality, expression tools, and empirical tests.

5. Research Fronts of Library and Information Science: expert lectures and symposia about the trends and fronts of library and information science; inducing research emphasis and tendency; comprehending relevant theory, research status and progress.

6. Theory and Method of Information Behavior Analysis: the basis theory, method and tools for user information behavior analysis; detailed explanation of user experience and usability testing research; conducting user information behavior analysis and the usability assessment of information products by using Morae software and Tobbi eye tracker.

7. Patent Intelligence Analysis: equipping student with capacity of patent intelligence research and practice by teaching the basic knowledge of patent intelligence study, methods of patent retrieval, tools and methods of patent analysis, and the research hotspots of patent intelligence.

8. Specialized Chinese of Library and Information Science: reading and writing in academic Chinese of library and information science; enlarging student's Chinese academic vocabulary and the ability of reading professional literature in Chinese to

better understand China's current situation and the frontier topics in library and information science.

9. Competitive Intelligence Studies: equipping student with capacity of competitive intelligence retrieval, analysis, processing and other essential literacy and skills by teaching the overview, system, technology, strategy, services of competitive intelligence as well as the study of competitive environment, competitors, defensive intelligence, network competitive intelligence, development tendency and case analysis.

10. Medical Intelligence Analysis: teaching the characteristics, information source types and the collection, processing, analysis and utilization of medical intelligence.

11. Informetrics: laying a solid foundation for students to research into the dynamic intelligence, disciplinary development fronts, scientific and technological assessment, technology foresights, strategic decisions and science and technology management by teaching the theory and methods of data collection, pretreatment, content analysis, quantitative studies, etc.

12. Public Data Management: investigating the openness and sharing of different kinds of public data based on the theory of data life cycle, including data policies, data management plan, data acquisition, data organization, data analysis, data storage, data publishing and sharing, data recycle, etc.

13. Information Organization: cultivating student's ability of practicing information organization and raising the level of theoretical research by teaching the fundamentals of information organization, the three methods of information organization namely classification, subject, and integration, content analysis and index, natural language application, network information organization, information organization and management of digital library, the historical development and future trends of this subject.

14. Informatics: teaching how to scientifically organize the collection, delivery, encoding, encryption, storage, processing, and utilization of management information based on the theory and method as well as the life cycle of information.

15. Literature Retrieval and Utilization: teaching how to process and utilize information during a research procedure by adopting the fundamentals and searching methods of literature retrieval, and by gathering, analyzing, arranging and utilizing information, which can provide assistance and supports for the research work of students.

(V). Introduction of Professors

1. **Lu Zhangping**, Ph.D, Professor, doctoral supervisor, is the discipline leader of library, information and archive management science. Dr.Lu Zhangping endeavors to research on

Patent Information Analysis, Functional Transformation of Library, information behavior analysis, etc. He has won 5 national or provincial Teaching Achievement Awards, presiding over dozens of academic research projects. In recent years, he has already published more than 80 academic papers and compiled 6 monographs and textbooks.

Education Background

1978.2-1982.2   Zhenjiang Agricultural Machinery College, BA

1995.2-1996.3   Zhejiang University, Visiting Scholar

2004.06   Department of Vehicle Engineering, Jiangsu University, Ph.D

Working Experience

1982.2- Present   Admitted by Jiangsu University and taught there when graduated.

1999   Appointed to be a professor in the University

2005   Appointed to be the director of Jiangsu University Library

Research Interests

1. Analysis and Utilization of Enterprise Patent Intelligence

2. Library Strategy and Management

3. User Information Behavior Analysis

Contacts

Email: lzping@ujs.edu.cn   Tel: 13705282152

2. **Yuan Run**, Master, Professor, is engaged in teaching and researching in library management, digital library, information technology. He is the chief conductor of one national academic research project sponsored by National Social Science Foundation while presiding over a key research project sponsored by Provincial Social Science Foundation of Jiangsu. He has also accomplished a series of projects supported by Social Science Foundation of Ministry

of Education of China and Philosophy and Social Science Research Foundation in Colleges of Jiangsu. In recent years, he has already published more than 70 academic papers and compiled 2 textbooks.

Education Background

1991.07~1995.05 Jiangsu University, MA

Working Experience

1987.07~1999.03 School of Mechanical Engineering, Jiangsu University, Teacher.

1999.03~2005.06 Department of Technology, Jiangsu University Library, Deputy

Director.

2005.06~2011.03 Jiangsu University Library, Deputy Director.

2011.03~ Present Jiangsu University Library, Party Secretary of the CPC

Research Interests

1. Library Management

2. Digital Library

3. Information Technology

Contacts

Email: yrun@ujs.edu.cn   Tel: 0511-88791934

3. **Zhang Xiaoyang**, Master, Research Librarian, focuses on competitive intelligence, scientometrics appraisal and information literacy. He has participated in and accomplished two research programs sponsored by national social science foundation, one research program sponsored by national natural science foundation. He also directed and completed more than ten provincial and municipal research projects, published nearly 40 academic papers and 2 books.

Education Background

1991 Department of Mathematics, Nanjing Normal University, BA in Science
2004 Department of Applied Psychology, Soochow University, MA in Pedagogy

2006 National Science Library, Chinese Academy of Sciences, Visiting Scholar.

2014 Graduate School of Library and Information Science, University of Illinois, USA. Visiting Scholar.

Working Experience

1991-2001 Zhenjiang Normal College

2002-2005 Mengxi branch library, Jiangsu University

2006-Present Jiangsu University Library

Research Interests

1. Competitive Intelligence
2. Scientific Research Evaluation
3. Information Literacy

Contacts

Email: zhxy@ujs.edu.cn   Tel: 0511-88791950

4. **Zhou Jinyuan**, Master, Research Librarian, Associate Director of UJS Library. He directed more than 10 research projects of various kinds and levels, published nearly 40 academic papers, and complied 3 textbooks .

   Education Background

   1992.9-1995.7 Major in library science in School of information management at Nanjing University

   1983.9-1986.7 Major in clinical medicine in Department of clinical medicine at Zhenjiang Medical College(Jiangsu University)

   Working Experience

   1986-1992 Library of Zhenjiang Medical College

   1992-1995 Master degree in Nanjing University

   1996-2000 Library of Zhenjiang Medical College

   2000-present   Library of Jiangsu University

   Research Interests

   1. Analysis and Utilization of Medical Intelligence
   2. Information Literacy

   Contacts

   Email:1000007163@ujs.edu.cn   Tell: 18605118080   Fax: 88780101

5. **Wang Xiuhong**, Doctor of Systems Engineering, Research Librarian, senior patent analyst, national patent information talent, has directed 12 research projects sponsored by a verity of national and provincial Foundations, and participated the "863" Program and 2 projects of The National Natural Science Foundation. In recent years, she has published more than 30 academic papers and 2 monographs, applied 8 patents for invention and has received several awards of scientific achievements.

Education Background

2013.03- Present   School of Management, Jiangsu University, Management

Science and Engineering (postdoctoral).

2007.09-2012.06   Faculty of Science, Jiangsu University, Doctoral Study, received

a Ph.D. Degree in System Engineering.

2001.09-2004.06   School of Energy and Power Engineering, Jiangsu University,

Received Master Degree in Fluid machinery and Engineering.

2002.09-2004.03   Key Laboratory of Numerical Simulation, The First Institute of

Oceanography, Visiting Scholar.

1994.09-1998.06   Henan University of Science and Technology, Received

Bachelor's degree in Mechanical Design and Manufacturing.

 Working Experience

1998.09-2009.08   Librarian, Institute of Science and Technology Information,

Jiangsu University.

2009.09-2012.09   Associate Research Librarian, Master tutor in System

Engineering, Faculty of Science of Jiangsu University.

2010.12-2011.12   Visiting Scholar, College of Agricultural and Environmental

Sciences, University of California, Davis, USA.

2012.10- Present   Associate Research Librarian, Master tutor in Information

Science, Institute of Science and Technology Information of Jiangsu University.

Research Interests

1.   Patent Intelligence and Intellectual Property Strategy
2.   Text Retrieval and Similarity Calculation
3.   Unstructured Data Management
4.   Information Behavior Study

Contacts

Email: xiuhongwang@ujs.edu.cn   Tel: 0511-88780719

6. **Liu Guifeng**, Ph.D., Associate Research Librarian, directed 4 research projects at municipal, provincial or ministerial level, complied 1 text book, published 2 SSCI papers and more than 10 CSSCI papers.

Education Background

2003.9-2005.7   Qufu Normal University, Bachelor in Chemistry

2005.9-2010.7   Shanghai Institute of Applied Physics, Chinese Academy of Sciences, Doctor of Science

Working Experience

2010.7-present   Library, Jiangsu University, Associate Research Librarian

Research Interests

3.   Management of Scientific Research Data
4.   Information Analysis

Contacts

Email: liuguifeng29@163.com   Tel: 15052928465

7. **Liu Jing**, Doctor of Science, Associate Professor, Deputy Director of Scientific Information Institute at Jiangsu University. Dr. Liu Jing has published more than 30 academic papers and 2 monographs, and conducted one national academic research project sponsored by the National Social Science Foundation.

Education Background

2005.09—2008.07 Nanjing Agricultural
University, Ph.D in Science

Working Experience

2008.07---Now, Scientific Information Institute, Jiangsu University

Research Interests

1. Information Resources Allocation and Management
2. Competitive Intelligence and Knowledge Management
3. Information Analysis and Prediction

Contacts

Email：lvadam@sina.com   Tel：13615289759

8. **Liu Haijun**, PH.D., Research Librarian. He participated in a number of research projects, and published more than 10 academic papers included in SCI and other core periodicals. He also co-authored one textbook.

Education Background

1996.9-2000.7 Lanzhou University, BS

2000.9-2005.10 Shanghai University, Ph.D

Working Experience

2006-2014, Institute of Life Sciences, Jiangsu University, research assistant

2014-Present, Jiangsu University Library, librarian

Research Interests

1. **Research Data Management**
2. **Text mining**
3. **Bioinformatics**

Contacts

Email：hjliu@ujs.edu.cn   Tel：13852946612

APPLICATION FORM FOR THE SCHEDULE

Comments of Discipline：

Person in charge（Signature）：

Date

Review opinion of college academic degree sub-committee:

Person in charge （Signature）：

Date