# **COURSE DETAILS**

# **Master's Degree**

# 13721 Advanced Management of Information Organizations

# (6 credits)

# Course Learning Outcomes

- 1. To gain knowledge and understanding of the concepts and theories of management.
- 2. To gain knowledge and understanding of the concepts and practical methods related to information organizations.
- 3. To be able to integrate the concepts, theories and principles of the management of Information organizations.

# **Course Description**

Concepts of modern information organizations in various scopes including physical and digital organizations; theory and principals of management, strategic management, value chain management, risk and change management, information security system and personal data privacy, organizational development, organizational efficiency and effectiveness, organizational management by international standards, marketing and customer management, information entrepreneurship, leadership, morale and ethics, good governance, research applications in the management of information organizations, and case studies.

# 13722 Research and Applied Statistics for Information Science (6 credits) Course Learning Outcomes (6 credits)

- 1. To gain knowledge and understanding of research concepts and the research and information profession.
- 2. To gain knowledge and understanding of research processes and research methodology in information science.
- 3. To gain knowledge and understanding of research operations and the application of statistics to information science research.
- 4. To gain knowledge and competence in writing research proposals, research reports and disseminating research in information Science.
- To gain knowledge and understanding of key issues related to research ethics, copyright and intellectual property, research-based professional practice, and the status and direction of research in information science.

# **Course Description**

Concept of research; research and information professions; research and education and evidence-based Information practices; research processes; research problem formulation; literature reviews; research methodology; research design; data collection; the application of statistics to research; data analysis and presentation; software packages used for data analysis; writing information science research proposals and reports; research dissemination; important issues related to research ethics, copyright and intellectual property; status and direction of research in information science.

# 13723 Organization and Retrieval of Information

# Course Learning Outcomes

- 1. To gain knowledge and understanding about the concepts, theories, and research of the organization of information.
- 2. To gain knowledge and understanding about the concepts, theories, and research of the retrieval of information.
- 3. To be able to apply concepts and theories about the organization and retrieval of Information.
- 4. To gain knowledge and understanding about the important issues related to information organization and retrieval.

#### **Course Description**

Concepts, theories, and research about information organization and retrieval; classification and information representation; key standards related to information organization and retrieval; information architecture; information retrieval models; information organization and digital information resources; studies and research about information behavior; the evaluation of information retrieval systems; key issues concerning the organization and retrieval of information.

# 13731 Digital Technology for Information Management

#### Course Learning Outcomes

- 1. To gain knowledge and understanding of concepts in the area of digital technology for information management
- 2. To gain knowledge and competence in the application of digital technology for information management.
- To gain knowledge and understanding of the important issues in the area of digital technology for strategic information.

# **Course Description**

Concepts about digital technology for information management; data management; databases; data warehousing; content management; information systems development; digital libraries; security and safety of information systems; project management in the area of digital technology; digital technology for information management and entrepreneurship; management of digital technology with good governance; strategic management of digital technology; ethics and laws related to digital technology.

# 13735 Information Behavior and Service Design Course Learning Outcomes

# (6 credits)

- 1. To gain knowledge and understanding about the concepts, theories, and research in the area of information behavior.
- 2. To gain knowledge and understanding about the concepts, theories, and research in the area of information service design.
- 3. To gain knowledge and ability in applying information behavior for service design.

# **Course Description**

Concepts, theories, and research related to users; information behavior; information needs; informationseeking behavior; information use; information services; information sources and dissemination; the environment of and factors relating to organizing and developing information services; design and development of usercentered information services; community engagement and information services; the creation of user-learning experiences; quality and universal standards of information services; technology, and law and ethics related to information services.

# (6 credits)

# (6 credits)

# 13737 Management and Analysis of Big Data

# Course Learning Outcomes

- 1. To gain knowledge and understanding of the concepts, theories, and research concerning big data management.
- To gain knowledge and understanding of the concepts, theories, and research concerning big data analysis
- 3. To gain knowledge and competence in the application of big data analysis.

# **Course Description**

Concepts of big data; management and analysis of big data; theories and research about big data analysis; principles and methods of data analysis; technology and tools for management and analysis of big data; data mining; text mining; data visualization; big data governance; case studies in management and the analysis of big data.

# 13787 Independent Study (Information Science)

# Course Learning Outcomes

To be able to conduct research or a study in information science.

# **Course Description**

The selection of problems for research or a study; proposal writing; proposal presentation; analysis of related literature; data collection and analysis; study presentation.

# 13788 Thesis (Information Science)

# Course Learning Outcomes

- 1. To be able to select research problems for a thesis.
- 2. To be able to survey and analyze literature related to the thesis.
- 3. To be able to design research for the thesis.
- 4. To gain knowledge and skill in writing and presenting the thesis proposal.
- 5. To be able to develop quantitative research tools.
- 6. To be able to develop qualitative research tools.
- 7. To be able to collect, analyze, and present data for the thesis.
- 8. To be able to present and defend the thesis examination.
- 9. To be able to write the complete thesis report.
- 10. To be able to write the research report for publication.

# **Course Description**

Selection of the research problem; survey and analysis of relevant literature; research design; writing and presenting a thesis proposal; tool development for thesis research, both quantitative and qualitative research; data collection; thesis data presentation; thesis presentation and examination defending; writing the complete thesis report; writing the research report for publication.

# 3

(6 credits)

(6 credits)

# (12 credits)

13789	Graduate Professional Experience in Information Science		(6 credits)
	Course Learning Outcomes		
	1.	To apply knowledge of information science in information management.	

2. To develop leadership skills, morals and professional ethics in information science.

# **Course Description**

Analyzing and organizing information organizations; development of problem-solving skills in information management; application of technologies in information management; development of leadership skills in the information profession; teamwork; enhancement of morals, ethics and professional ethics in information science.

