Learning Outcomes for Master of Science (MSc) in Information Management

National Qualification Framework for Iceland	Master of Science in Information Management at Reykjavik University	
Master´s Degree Cycle 2.2 90-120 ECTS.	Master of Science in Information Management is a 90 ECTS-credit master's degree programme. It focuses on graduating students with in-depth knowledge, skills and competences in information management and includes a 30 ECTS-credit Master's thesis.	
K N O W L E D G E		
The National Qualification Framework states that degree holders possess **knowledge** in a defined area of a scientific field or profession, such that holders: **1.** possess knowledge of scientific subjects and challenges **2.** have acquired knowledge through research **3.** can provide arguments for their own findings **4.** can place the latest knowledge in context within the relevant specialised field **5.** are familiar with the research methods within their scientific field **6.** have knowledge of science ethics	*	Degree holders possess knowledge of:
	1, 4, 5	theoretical concepts concerning the links between business value creation and information technology
	1, 3, 4	definitions and concepts of business informatics, emerging technology and strategic management
	1, 3, 4	theories, concepts and methods of development and implementation of information systems within an organization.
	1, 3, 4	theoretical foundations and methods of business process management and enterprise architectures
	1, 2, 3, 4, 5	research and sources of empirical knowledge in information management
	1, 3, 4	key aspects of business intelligence and analytics systems, information systems, and ERP systems
	3, 6	definitions, and concepts of business ethics, responsible management and sustainability
	1, 5, 6	research philosophies, different research methods and ethical aspects of research and science.
	2, 6	conducting independent research
S K I L L S		
The National Qualification Framework states that degree	*	Degree holders can apply the methods and procedures of marketing as follows:
	1, 2, 3, 4, 8, 9,	methods and tools to analyzes, implement and sustain business-focused

holders can **apply the methods and procedures** of a defined area of a scientific field or profession, such that holders: 1. have adopted relevant methods and procedures 2. are capable of analysing and imparting statistical information 3. can understand and tackle complex subjects in a professional context 4. can apply their knowledge and understanding in their scientific and professional work 5. can use the relevant equipment, technology and software 6. can collect, analyse and evaluate scientific data 7. are innovative in developing and applying ideas 8. can apply their knowledge, understanding and proficiency in new and unfamiliar situations or in an interdisciplinary context 9. can develop projects and place them in context by applying methods based on scientific theories and/or experiments 10. are capable of integrating knowledge, resolve complex issues and present an opinion based on the available information 11. can effectively apply research methods and implement small-scale research projects 12. understand research and research findings.	**10**	development and changes in information systems
	1, 2, 3, 4, 8, 10	methods and tools to analyze the linkages between information technology, information management and decision support
	1, 2, 3, 4, 8, 10	methods and tools to analyze functional requirements for information systems
	1, 2, 3, 4, 8, 10	methods and tools for analyzing costs & benefits of information systems projects
	1, 2, 3, 4, 8, 9, 10	methods and tools for analyzing, designing and implementing business process development and aligned enterprise architectures
	1, 2, 3, 4, 8, 10	methods and tools for planning information technology projects and assuring project quality and output
	2, 3, 5, 8, 12	access, retrieve and evaluate relevant information reliably
	3, 4, 8, 9, 10	work collaboratively with others in the same and different disciplines
	3, 7, 8, 9, 10	can apply critical thinking and evaluate and resolve issues and situation from the perspective of ethical behaviour, responsible management and sustainability
	1, 3, 4, 7, 9, 11	can develop their own concepts and ideas and develop them into a research plan
	2, 3, 6, 8, 9, 10, 11, 12	can conduct analysis of a question or a phenomenon trough data gathering, data analysis and critical evaluation
	2, 3, 4, 7, 8, 10, 12	be receptive to new ideas and innovation
COMPETENCES		
The National Qualification Framework states that degree	* Degree holders can apply their knowledge and skills in as follows:	

holders can **apply their knowledge and skills** in their profession and/or further study, such that holders: **1.** have developed the necessary learning skills and independence for further studies **2.** can initiate and lead projects within the scientific field and be responsible for the work of individuals and groups **3.** can communicate complex scientific information, challenges and findings to scholars as well as to general audiences **4.** are capable of presenting and describing scientific issues and research findings in a foreign language **5.** can make decisions in an independent, professional manner and defend them **6.** can evaluate the suitability of the different methods of analysis and complex scientific issues in each case **7.** can communicate statistical information	**2, 5, 6**	lead and manage the resources and processes associated with development of information systems within an organization.
	1, 2	work in an independent and organised manner, set goals, and plan and implement solutions to diverse problems
	2, 3, 5, 6	apply critical thinking and problem-solving skills to business and information systems settings.
	2, 5, 7	communicate the importance of ethical and responsible practices and initiate efforts to increase the level of responsible management in their profession and/or organizations
	1, 3	pursue life-long learning in practice
	2, 3	participate actively and cooperatively in group tasks, and assume a leadership role
	4, 7	interpret and present theoretical issues and empirical findings in English