Faculty of Business

Department of Management Information System

Study Plan of the Master's Degree

In: MIS (Thesis path)

Academic Year: 2017 / 2018

Vision of the Department:

Entrepreneurship and distinction in research and academic fields.

Mission of the Department:

Preparing professional and creative competencies in marketing field.

Objectives of the Department:

1. Provide high- level learning environment.
2. To prepare human cadres specialized in the science of MIS
3. Conducting field research specialist in the areas of MIS.
4. Build and strengthen strategic partnerships with different sectors of business organizations locally and globally.
5. Supplement the local labor market and international human qualified cadres in various science and knowledge and skills of MIS Science.

Intended Learning Outcomes (ILOs):

Objectives of the Master's program in management information systems

- The preparation of qualified students to pursue higher education and strengthen their ability to assume positions of the Supreme Administrative Court.
- To enable students from the completion of the scientific research in the field of management information systems to serve the institutions and enterprises.
- To develop the skills necessary to promote strategic, cognitive and vocational integration to students in the field of management information systems to improve the performance of companies in global business environment.
- To provide graduates with necessary technical and analytical skills for effective decisions.
- To promote the values and ethics of the business of the students in the changing business environment.

Learning outcomes of the Master's program in Information Systems:

- The ability to accomplish scientific research in matters relating to management information systems.
- The ability for leadership and decision-making in the business organizations.
- The ability to develop the critical and inventive thinking and employment of gained science and knowledge; including quantitative methods in solving the problems faced by business organizations.

- The ability to identify the opportunities and challenges that could arise in the global business environment and how to confront them.
- The ability to analyze the ethical aspects of community responsibility and the implications of the resolutions of the business organization.

Framework

Framework of the Master's Degree in MIS (33 Cr. Hrs.)

Sequence	Classification	Credit Hours	Percent %
1st	Compulsory Requirements	15	46%
2nd	Elective Requirements	9	27%
3rd	Thesis	9	27%
Total		33	%100

Course Numbering

			4	2
Sequence	Course Level	Cognitive Domain	Dept. Code	Faculty Code

1. **Compulsory Requirements:** (15 Credit Hours)

Course No.	Course Title	Cr. Hr.
2067111	Management Information Systems	3
	Basics of Scientific Research	3
2067411	IT Project Management	3
2067211	Systems Analysis and Design	3
2067222	Database Management Systems	3
Total		**15**

2. Elective Requirements: (9 Credit Hours)

Course No.	Course Title	Cr. Hr.	Prerequisite
2067312	E-Business	3	55011101
2067413	Decision Support Systems	3	55011102
2067422	knowledge Management Systems	3	-
2067424	Business Intelligence	3	-
2067311	Business Data Communications	3	-
2067521	Quantitative Analysis	3	-
			-
Total		9	

3. Thesis (9 Credit Hours)

A. **Hours Seminar:** (3 Credit Hours)

B. **Hours Thesis:** (6 Credit Hours)

Description of Courses offered by the

Number	Course
1	20472012) Scientific Research Methodology (3 credit hours): The course covers the study and analysis of the concept and terminology of scientific research and its role in supporting the administrative decisions in business organizations. It deals with all aspects and stages of the process of scientific research including determination of the problem, defining the variables, the choosing the research design, developing hypotheses, collection of data, develop a plan of inspection, collection and analysis of data, testing hypotheses and writing the final report. The course deals with descriptive statistics including organization of data, measures of central tendency and dispersion, correlation and regression. The course covers distributions like Normal, t and F in addition to sampling and sampling distributions. Testing hypotheses about the mean of a population, the difference between two means, Analysis of variance and regression will be covered using SPSS.
2	2067413) Descion Support System s (3 credit hours): This course specializes theories, methodologies and tools to develop decision support and access to knowledge and skills systems to understand how to build and implement and support those systems. This course covers many items including: types of managerial decision-support systems, stages of the development of decision support systems, components of decision support systems, as a rule and database models and knowledge base and method of human interaction with decision support systems with a focus on relevant topics such as data warehouses and data acquisition and exploration data and techniques of intelligence in support Alqrarat.oadarh knowledge systems
3	(2067411) IT Project Management (3 credit hours): Designed to be relevant for all professions confronting project-related tasks, with particular attention given to the information systems context. Course content includes an overview of the foundation and supporting knowledge areas of project management, with emphasis on the systemic nature of project management.
4	(2067424) Business Intelligence (3 credit hours): Advances in computing technologies have greatly enhanced our ability to collect and store large amounts of data, i.e. big data. Yet, corporations today are said to be data rich but knowledge poor. This course will introduce state-of-the-art Business Intelligence and Analytics techniques to discover knowledge from massive data sets using a hands-on

	approach. Students will have a chance to apply such techniques on real-world data sets in various domains, including finance, healthcare, commerce and sports in order to produce actionable intelligence for enhanced managerial decision making.
5	(2067311) Advanced Telecommunications Management (3 credit hours This course builds on basic telecommunications and network management concepts. Topics include physical layer propagation, advanced switch operation, wireless environments, LANs, WANs, network applications, and a comparison of client/server versus Web applications.
6	2067521)Quantitative analysis (3 credit hours): This course aims to define the role of quantitative analysis in the decision-making process and gain the students the principles and the basics needed to use quantitative methods and statistical steps in the development of solutions and unpredictable and choose the optimal variant of the alternatives available and applications of these methods in management, business, finance and accounting areas through the development, construction, testing and applying different models
7	(2067312)E-Business(3credithours): Examines e-business models. Topics include the application of business strategy, consumer behavior, and customer relationship theories in e-business environments. Business-to-business and business-to-consumer arrangements are considered. Supply chain and other e-business infrastructure issues are covered.
8	(2067111) Management Information System (3 credit hours): Examines a range of topics that present managerial challenges unique to technology-oriented environments. Topics include new technology convergence, the management of technology that disrupts existing industries, measuring new technology impacts, and business continuity planning, among others.
9	2067222) Database Management (3 credit hours) This course builds on basic database concepts. Topics include physical database design, advanced SQL, data warehousing, data mining, XML data and schemas, database administration and data center administration.
10	(2067211) System Analysis and Design (3 credit hours): This course builds on basic systems analysis and design concepts including distributed systems analysis and design. Use cases, quality assurance, performance metrics, and current trends are investigated.
11	(2067122) Graduation Project (3 credit hours): This course is meant to-date information and research methodologies on the big field and its effects and the nature of research in business technology. This course focuses on the information technology of computer systems and communication technologies, data and people resources, and possible methods for managing those resources, in addition to the

	opportunities and failures resulting therefrom. This course leads to the submission of the student's thesis based methods of scientific research in this area.