



DEPARTMENT OF MANAGEMENT INFORMATION SYSTEMS

OVERVIEW OF BACHELOR PROGRAM COURSE REQUIREMENTS

Requirements	Credit Hours
KSU General Requirements	12
Prep Year Program	31
CBA College Requirements	18
Compulsory Requirements from the Department	33
Compulsory Requirements from Other Departments	25
Elective Requirements from the Department	12
Elective Requirements from Other Departments	9
Free Electives	5
Total Credit Hours	145

DETAILED COURSE REQUIREMENTS (MIS)

Code	Course	Cr Hrs	Cr Hrs (Sub-total)	Cr Hrs (Total)
1. KSU General University Requirements				
IC 101	Introduction to Islamic Culture	2	12	12
IC 102	Islam and the Construction of Society	2		
IC 103	The Islamic Economic	2		
IC 104	Fundamentals of Islamic Politics	2		
ARAB 101	Language Skills	2		
ARAB 103	Expository Writing	2		
2. KSU Preparatory Year Program				
ENGL 140	English Language (1)	8	31	43
ENGL 150	English Language (2)	8		
MATH 140	Math	2		
MATH 150	Calculus	3		
CT 140	IT Skills	3		
MC 140	Communication Skills	2		
CHS 140	Health & Fitness	2		
CI 140	Learning, Thinking, and Research	3		
3. CBA Core Requirements				
MGT 101	Principles of Management & Business	3	18	61
ECON 101	Principles of Microeconomics	3		
ECON 102	Principles of Macroeconomics	3		
QUA 107	Principles of Business Statistics	3		
FIN 200	Principles of Finance	3		
ACCT 201	Principles of Accounting & Reporting	3		
4. Compulsory Requirements From The Dept.				
MIS 201	Management information systems	3	33	94
MIS 213	Databases	3		
MIS 215	Information Systems Analysis & Design (1)	3		
MIS 333	Principle of Information Security	3		
MIS 350	Decision Support System Expert Systems	3		
MIS 354	Enterprise Resource Planning (ERP)	3		
MIS 429	Networks & Communications Management	3		
MIS 437	E-business	3		
MIS 460	Project Management in IT	3		
MIS477	Coop Training in MIS	6		

Code	Course	Cr Hrs	Cr Hrs (Sub-total)	Cr Hrs (Total)
5. Compulsory Requirements From Other Depts.				
CSC 111	Computer Programming (1)	4	25	119
MKT 201	Principles of Marketing	3		
QUA 204	Linear Algebra in Business	3		
MGT 210	Legal Environment of Business	3		
MGT 214	Business Ethics & Social Responsibility	3		
FIN 250	International Finance	3		
MGT 371	Operation Management	3		
MGT 411	Strategic Management	3		
6. Electives From The Dept.				
MIS 321	Advanced Databases	3	12	131
MIS 323	Information Systems Analysis & Design (2)	3		
MIS 366	Web-based Applications	3		
MIS 419	Knowledge Management & Data Mining	3		
MIS 431	Selected Topics in MIS (1)	3		
MIS 433	Information Security Policies	3		
MIS 444	Functional Business System	3		
MIS 466	Selected Topics in MIS (2)	3		
7. Electives From Other Depts.				
MGT 102	Human Resource Management	3	9	140
CSC 113	Computer Programming (2)	4		
ACCT 202	Principles of Cost & Managerial Accounting	3		
QUA 205	Statistical Data Analysis	3		
QUA 207	Business Statistics	3		
QUA 217	Management Science (1)	4		
MGT 330	Managerial Skills	3		
MGT372	Supply Chain Management	3		
MKT 403	Electronic Marketing	3		
8. Free Electives			5	145
Total Credit Hours				145

MODEL PLAN FOR MANAGEMENT INFORMATION SYSTEMS

Semester (1)			Semester (2)		
		Hrs			Hrs
ENG 140	English (1)	8	ENG 150	English (2)	8
MATH 140	Math	2	MATH 150	Calculus	3
CI 140	Learning, Thinking & Research Skills	3	MC 140	Communication Skills	2
CT 140	IT Skills	3	HLT 140	Health & Fitness	2
Total		16	Total		15

Semester (3)			Semester (4)		
		Hrs			Hrs
MGT 101	Principles of Management & Business	3	FIN 200	Principles of Finance	3
ACCT 201	Principles of Accounting & Financial Reporting	3	MIS 201	Management Information Systems	3
ECON 101	Principles of Microeconomics	3	MKT 201	Principles of Marketing	3
QUA 107	Intro. to Statistics in Business	3		Non-MIS Elective	3
IC 101	Introduction to Islamic Culture	2	IC 102	Islam & Society	2
ARAB 101	Language Skills	2	ARAB 103	Expository Writing	2
Total		16	Total		16

Semester (5)			Semester (6)		
		Hrs			Hrs
ECON 102	Principles of Macroeconomics	3	IC 104	Political System in Islam	2
IC 103	Islamic Economics	2	MGT 210	Legal Environment of Business	3
CSC 111	Computer Programming	4	FIN 250	International Finance	3
QUA 204	Linear Algebra in Business	3	MIS 333	Principles of Information Systems Security	3
MIS 213	Database	3	MIS 350	Decision Support System Expert Systems	3
MIS 215	Information Systems Analysis & Design (1)	3		Free Elective Course	3
Total		18	Total		17

Semester (7)			Semester (8)		
		Hrs			Hrs
MIS 354	Enterprise Resource Planning (ERP)	٣	MIS xxx	MIS Elective	3
MGT 371	Operations Management	3	MGT 411	Strategic Management	3
	NON-MIS Elective	3	MGT 214	Business Ethics & Social Responsibility	3
MIS 429	Network & Communication Management	3	MIS 460	Project Management in IT	3
MIS437	E-business	3	MIS xxx	MIS Elective	3
MIS xxx	MIS Elective	3			
Total		18	Total		15

Semester (9)		Hrs
MIS 477	CO-OP Training in MIS	6
MIS xxx	MIS Elective	3
	Non-MIS Elective	3
	Free Elective Course	2
Total		14

DEPARTMENT OF MANAGEMENT INFORMATION SYSTEMS

Code & No : MIS 201	Course : Management Information Systems
Credits : 3 (3+2+1)	Pre-requisite : MGT 101
<p>The course deals with the basic concept of management information systems; management information systems and operation; strategy and information system; system in solving management problems; information technology: machines, information technology programs, communications, databases and file processing, organization of systems automation (offices automation).</p>	

Code & No : MIS 213	Course : Databases
Credits : 3 (3+2+1)	Pre-requisite : MIS 201
<p>The course deals with the roles of data; the role of databases in the development of management information systems; models in relational databases; relational model constraints; (SQL) data retrieval languages; the security and database management; a practical application for the development of databases in business management.</p>	

Code & No : MIS 215	Course : Information System Analysis and Design (1)
Credits : 3 (3+2+1)	Pre-requisite : MIS 201
<p>The course explains: life cycle of systems development, the role of systems analysts, methods and relations in the systems development, the ways to develop structural systems, the development of systems, systems evaluation and selection, in the process of systems development, and cases study.</p>	

Code & No : MIS 321	Course : Advanced Databases
Credits : 3 (3+2+1)	Pre-requisite : MIS 213
<p>The course deals with advanced concepts in database management system; database concept, database management system, database levels(conceptual, external, internal), the requirements of database management system, the concept of data independence - database design models: network model, hierarchical model, relational model - database development stages - description of the conceptual and logical design for relational database - introduction to SQL database language - client server - object oriented database - the integration of database management systems with others programs – case studies in the database management systems using MS ACCESS or ORACLE.</p>	

Code & No : MIS 323	Course : Information System Analysis and Design (2)
Credits : 3 (3+2+1)	Pre-requisite : MIS 215
<p>The course aims to enhance the student's ability in systems design and analysis. Topics covered include: revision of the systems development life cycle, the study methods and analysis of existing systems, development of standards business solutions, the design rationale for the action and data, evaluation and selection of systems, the development of internal systems and prefabricated systems, systems implementation, and cases of the implementation of systems.</p>	

Code & No : MIS 333	Course : Principle of Information System security
Credits : 3 (3+2+1)	Pre-requisite : MIS 201
<p>The course Introduces the field of information security. Topics covered include: Introduction about Information System Security, the need for security; the issues of professional, ethical and legal security of information; risk management: discrimination and risk assessment; risk management: assessment and control of risk and planning for sustainability; technical security.</p>	

Code & No : MIS 350	Course : Decision Support System and Expert Systems
Credits : 3 (3+2+1)	Pre-requisite : MIS 215
<p>The course introduces students to the concepts of artificial intelligence and how to build an integrated decision support system. Topics covered include: methods for evaluating decision support systems, modeling and analysis of the development of decision support systems data management, modeling and administration user interface, the concepts of artificial intelligence and intelligent systems, including the evidentiary rules of the cases, and expert systems, rules systems semesters.</p>	

Code & No : MIS 354	Course : Enterprise Resource Planning (ERP)
Credits : 3 (3+2+1)	Pre-requisite : MIS 213
<p>The course is an introduction of ERP systems; business process mapping and reengineering; metadata; data validity and legal requirements; business processes (e.g. purchasing, manufacturing and HRM) and ERP systems; customization; extension and configuration. In addition, the course in parallel with the lectures, students are required to complete a project in which they will have to prepare the choice and implementation of an ERP system in a company.</p>	

Code & No : MIS 366	Course : Web-based Applications
Credits : 3 (3+2+1)	Pre-requisite : MIS 333
<p>The course aims to provide students an introduction to Web-based systems and an overview about the latest technologies in web-based systems; In addition, it would provide knowledge of Hypertext Markup Language (HTML) or Dynamic HTML (DHTML), XML along with some knowledge of a scripting language. As well, it would provide a hands-on to a number of tools and technologies that are utilized in developing Web-based application</p>	

Code & No : MIS 419	Course : Knowledge Management and Data Mining
Credits : 3 (3+2+1)	Pre-requisite : MIS 333
<p>The course aims to introduce principles and concepts of knowledge management and Data Mining; knowledge and learning; information technology and KDD; planning and evaluation of knowledge management; case study in knowledge management; data mining.</p>	

Code & No : MIS 429	Course : Networks and Communications Management
Credits : 3 (3+2+1)	Pre-requisite : MIS 213
<p>The course aims to enhance students abilities to use and manage computer networks in MIS. Topics covered include: introduction and definition of computer networks and communications concept , computer networks and the projects of management information systems, internet and its applications, and case studies.</p>	

Code & No : MIS 431	Course : Selected Topics in Management Information Systems(1)
Credits : 3 (3+2+1)	Pre-requisite : MIS 333
<p>This course discusses new topics which could not included in the courses of management information systems, the difficulties faced by the application of the ERP project, techniques of modern telecommunications and application management, applications of functional information systems, the difficulties faced in the establishment and management of information centers.</p>	

Code & No : MIS 433	Course : Information Security Policies
Credits : 3 (3+2+1)	Pre-requisite : MIS 333
<p>The course intends to increase students' ability in managing information security. Issues covered: the information system security policy, measuring communication, security management according to the BSI standard, planning the development of security applications, security structure, the management of security operations, business continuity planning, the types of encryption and electronic signatures, methods of protection and means, and the physical security management.</p>	

Code & No : MIS 437	Course : Electronic Business
Credits : 3 (3+2+1)	Pre-requisite : MIS 350
<p>The course introduces the principles and concepts of E-business: the types of e-business solutions; planning and design of e-business solutions; e-business solutions in various business sectors; integrated information system; e-government; e-payment system; the legal and ethical dimensions of e-business solutions; risk management in e-business solutions; new trends in e-business solutions; cases studies in e-business solutions.</p>	

Code & No : MIS 444	Course : Functional Business System
Credits : 3 (3+2+1)	Pre-requisite : MIS 350
<p>The course aims to provide students with knowledge regarding all business system that are related to MIS. Topics not limited but include: introduction and principles to MIS business functions, Health Information Systems, Geographical Information System, Accounting Information Systems, Planning Information Systems, Learning management Information Systems, and other functional systems, and case studies.</p>	

Code & No : MIS 460	Course : Project Management in Information Technology
Credits : 3 (3+2+1)	Pre-requisite : MIS 354
<p>The course intends to introduce concepts, principles and methods of project management in IT. Topics covered include: the features and benefits of information technology projects, the main stages in project management, management and responsibility, time and resource planning, scheduling and control, quality and cost, risk management in project management, the role of project manager and the evolution of project management, develop and document the request for proposals, evaluation and selection, the documentation of the projects, tools used in project management, project management standards, cases studies in the management of IT projects.</p>	

Code & No : MIS 466	Course : Selected Topics in Management Information Systems (2)
Credits : 3 (3+2+1)	Pre-requisite : MIS 333
<p>This course discusses new topics related to latest technologies which could not included in the courses of management information systems, such as Supply Chain Management, Customer Relation Management, E-learning, M-learning, and other management information systems related topics.</p>	

Code & No : MIS 477	Course : Co-op Training in MIS
Credits : ٦ (١+٠+٠)	Pre-requisite : MIS 333
<p>The cooperative training course is requirement for all department students and it may include graduation project that should be submitted to the student advisor. This training course would help the students to get the right practices and skills related to MIS in the market.</p>	